LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032719\
Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.381	59	67	76	rVV	4938325	7586605	4.66%	0.764%
2	3.634	102	110	121	rVV	3779673	7045685	4.33%	0.709%
3	3.852	137	147	164	rBV4	45905400	148169782	90.98%	14.917%
4	3.993	164	171	174	rVV2	582458	1205315	0.74%	0.121%
5	4.081	184	186	189	rVV	431424	557936	0.34%	0.056%
6	4.128	189	194	209	rVB	6158908	9718306	5.97%	0.978%
7	4.440	241	247	259	rBV	1296192	2302792	1.41%	0.232%
8	4.604	270	275	284	rBV	2341452	4157798	2.55%	0.419%
9	4.781	300	305	309	rVV	3485330	5563062	3.42%	0.560%
10	4.834	309	314	329	rVB	5202874	9199033	5.65%	0.926%
11	5.063	346	353	356	rBV	597041	998570	0.61%	0.101%
12	5.128	356	364	372	rVV2	34197440	61941682	38.03%	6.236%
13	5.275	372	389	396	rVV4	48388710	162864844	100.00%	16.396%
14	5.334	396	399	404	rVV4	302351	538207	0.33%	0.054%
15	5.410	408	412	417	rVB	585068	854522	0.52%	0.086%
16	5.534	426	433	438	rVB3	647894	1149139	0.71%	0.116%
17	5.634	438	450	454	rBV3	46227486	99776671	61.26%	10.045%
18	5.698	456	461	464	rVV	2384154	3402002	2.09%	0.342%
19	5.734	464	467	472	rVB	2924902	3717871	2.28%	0.374%
20	6.081	516	526	538	rBV2	2912985	6067756	3.73%	0.611%
21	6.263	552	557	565	rVB	1433869	2227600	1.37%	0.224%
22	6.428	580	585	588	rBV3	559420	991796	0.61%	0.100%
23	6.563	603	608	617	rVB	6076721	9038051	5.55%	0.910%
24	6.681	617	628	632	rBV	27199727	42608778	26.16%	4.290%
25	6.734	632	637	644	rVB	11757895	15910711	9.77%	1.602%
26	6.810	644	650	655	rBV	13042578	18506969	11.36%	1.863%
27	6.975	663	678	683	rBV	11486187	18552892	11.39%	1.868%
28	7.075	692	695	699	rVB	476608	676112	0.42%	0.068%
29	7.128	699	704	709	rVV4	494904	981667	0.60%	0.099%
30	7.175	709	712	715	rVV2	565040	848732	0.52%	0.085%
31	7.245	715	724	732	rVV2	39474970	73389382	45.06%	7.388%
32	7.322	732	737	747	rVB2	568611	1045783	0.64%	0.105%
33	7.610	778	786	790	rBV3	811597	1919580	1.18%	0.193%
34	7.651	790	793	795	rVV	1006413	1340981	0.82%	0.135%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032719\
Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Title : SVOA CALIBRATION

35	7.692	795	800	807	rVB	14555930	22542641	13.84%	2.269%
36	7.763	807	812	818	rVB	396630	632858	0.39%	0.064%
37	7.834	818	824	828	rBV	1813311	3205374	1.97%	0.323%
38	7.881	828	832	837	rVV	2641069	4226661	2.60%	0.426%
39	7.951	837	844	850	rVB	13972567	22593520	13.87%	2.275%
40	8.063	857	863	867	rBV2	1659350	2705636	1.66%	0.272%
41	8.116	867	872	877	rVV	6887080	10093446	6.20%	1.016%
42	8.210	882	888	892	rBV	4593998	7192096	4.42%	0.724%
43	8.257	892	896	902	rVV	1815883	2958428	1.82%	0.298%
44	8.369	910	915	920	rBV	937454	1382601	0.85%	0.139%
45	8.422	920	924	929	rVB	601643	942597	0.58%	0.095%
46	8.516	929	940	945	rBV	2558962	4612339	2.83%	0.464%
47	8.569	945	949	958	rVB	2249338	3437085	2.11%	0.346%
48	8.675	959	967	975	rBV	5375455	10449179	6.42%	1.052%
49	8.751	975	980	989	rVB3	4585387	9753443	5.99%	0.982%
50	8.910	996	1007	1017	rVB9	400679	1362543	0.84%	0.137%
51	8.998	1017	1022	1026	rBV	1355562	2578647	1.58%	0.260%
52	9.192	1049	1055	1060	rBV	2097545	3065402	1.88%	0.309%
53	9.251	1060	1065	1071	rVB	3204188	4721439	2.90%	0.475%
54	9.357	1071	1083	1086	rBV6	549027	1462983	0.90%	0.147%
55	9.398	1086	1090	1094	rVB2	481944	629470	0.39%	0.063%
56	9.445	1094	1098	1100	rBV2	715802	1066092	0.65%	0.107%
57	9.610	1111	1126	1134	rBV2	3314888	7363175	4.52%	0.741%
58	9.710	1134	1143	1145	rBV4	303012	547339	0.34%	0.055%
59	9.763	1145	1152	1166	rVV2	5998904	11706271	7.19%	1.179%
60	9.886	1166	1173	1180	rVV4	499622	1563871	0.96%	0.157%
61	10.004	1187	1193	1199	rVB2	1104913	1996692	1.23%	0.201%
62	10.086	1199	1207	1212	rVB	719205	1426065	0.88%	0.144%
63	10.316	1242	1246	1248	rBV2	583990	803779	0.49%	0.081%
64	10.345	1248	1251	1258	rVV2	575883	1132581	0.70%	0.114%
65	10.433	1258	1266	1271	rVV	20256671	34692660	21.30%	3.493%
66	10.545	1278	1285	1296	rVB2	1206493	2452901	1.51%	0.247%
67	10.816	1320	1331	1338	rVB6	347574	1157774	0.71%	0.117%
68	10.992	1339	1361	1369	rBV2	2156290	7709770	4.73%	0.776%
69	11.086	1370	1377	1385	rVB2	762758	1594563	0.98%	0.161%
70	11.228	1394	1401	1403	rBV3	589050	1080515	0.66%	0.109%
71	11.269	1406	1408	1414	rVB	603540	786853	0.48%	0.079%

LSC Area Percent Report

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Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Title : SVOA CALIBRATION

72	11.369	1418	1425	1429	rBV2	475429	1001816	0.62%	0.101%
73	11.463	1435	1441	1451	rBV3	389349	1085368	0.67%	0.109%
74	11.745	1483	1489	1491	rVV3	403752	668281	0.41%	0.067%
75	11.786	1491	1496	1503	rVB	2113605	3421941	2.10%	0.345%
76	12.045	1530	1540	1549	rVB	6459107	10239475	6.29%	1.031%
77	12.251	1565	1575	1584	rBV2	6923657	16225119	9.96%	1.633%
78	12.357	1584	1593	1600	rVV3	1049643	3805435	2.34%	0.383%
79	12.439	1600	1607	1617	rVB8	559306	1736495	1.07%	0.175%
80	12.569	1622	1629	1634	rVV3	326588	764188	0.47%	0.077%
81	12.645	1634	1642	1644	rVV3	566520	1249200	0.77%	0.126%
82	12.669	1644	1646	1649	rVV	635757	916026	0.56%	0.092%
83	12.698	1649	1651	1656	rVV	426720	661746	0.41%	0.067%
84	12.775	1660	1664	1670	rVV5	278135	573683	0.35%	0.058%
85	13.122	1718	1723	1734	rVB3	911305	1433145	0.88%	0.144%
86	13.222	1734	1740	1744	rBV	372771	623432	0.38%	0.063%
87	13.386	1763	1768	1772	rBV2	760094	1276357	0.78%	0.128%
88	13.427	1772	1775	1779	rVV2	697702	925412	0.57%	0.093%
89	13.557	1789	1797	1803	rVB	279956	560045	0.34%	0.056%
90	13.669	1811	1816	1822	rVB	1178009	1625924	1.00%	0.164%
91	13.939	1857	1862	1870	rBV	1252452	1913138	1.17%	0.193%
92	14.245	1906	1914	1920	rBV2	827411	1444094	0.89%	0.145%
93	15.245	2079	2084	2089	rBV	1546968	2184993	1.34%	0.220%
94	15.392	2102	2109	2118	rBV	661973	1039947	0.64%	0.105%
95	17.004	2377	2383	2389	rBV2	1005853	1433626	0.88%	0.144%
96	17.104	2394	2400	2408	rVB	1824282	2509584	1.54%	0.253%
97	19.409	2787	2792	2800	rVB	2096614	2894728	1.78%	0.291%
98	21.209	3093	3098	3105	rBV	1545569	1947448	1.20%	0.196%
99	23.280	3443	3450	3458	rBV2	2407539	4216584	2.59%	0.425%
100	23.421	3467	3474	3484	rVB2	1254358	2428990	1.49%	0.245%

Sum of corrected areas: 993292121

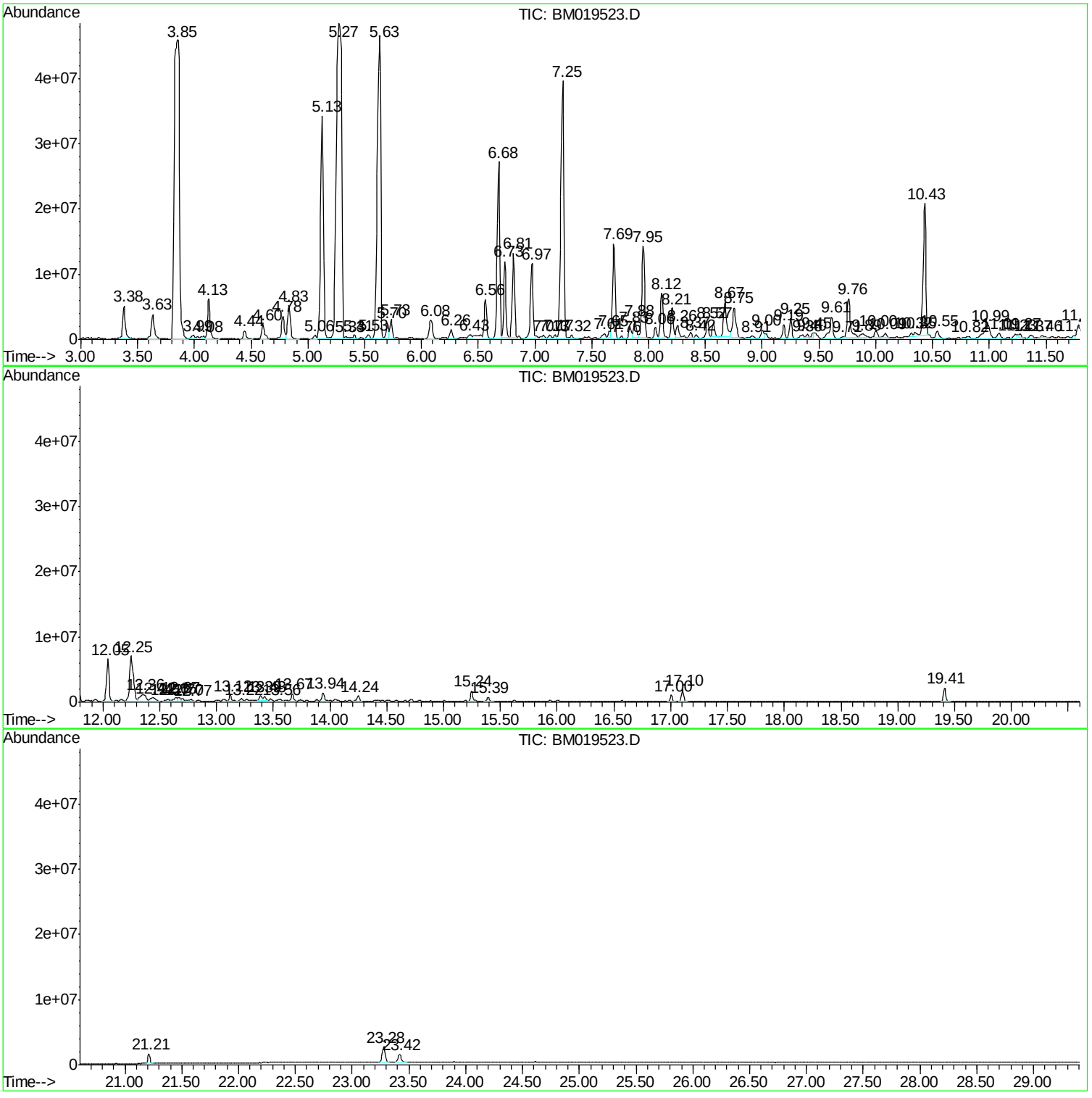
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032719\
Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032719\
Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
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Instrument : BNA_M
ClientSampleId : DB6R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

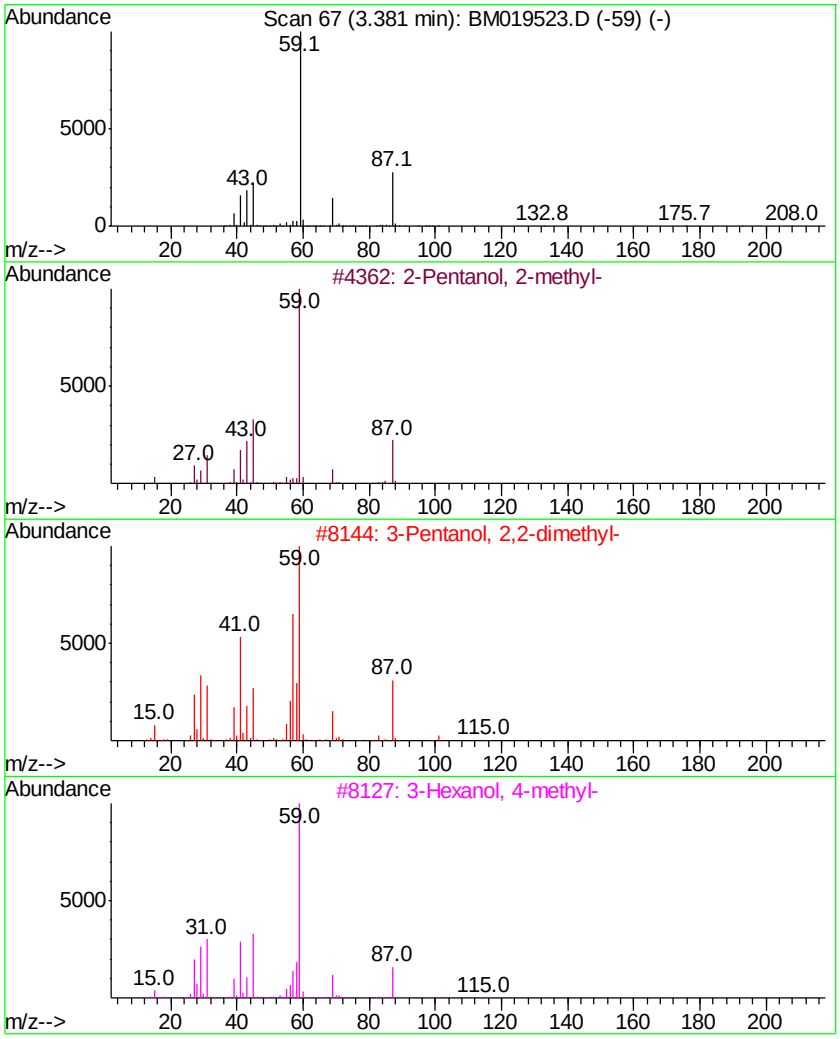
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

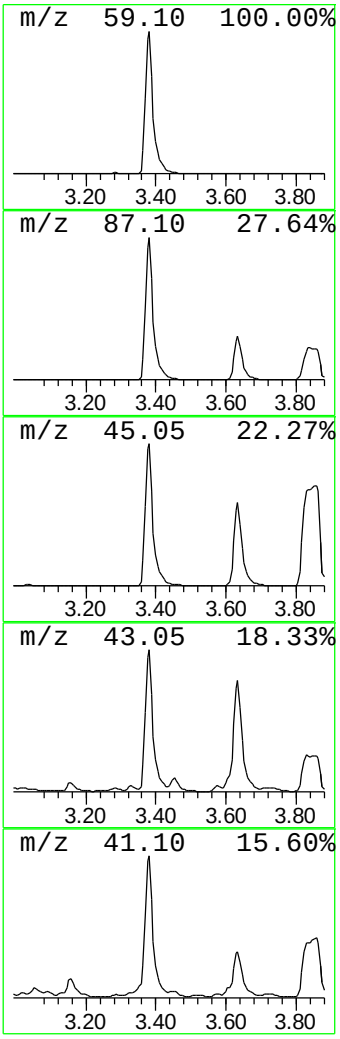
****

Peak Number 1 2-Pentanol, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.38	79.04 ng/ul	7586610	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	83
2	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	78
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	74
4	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	72
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032719\
Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

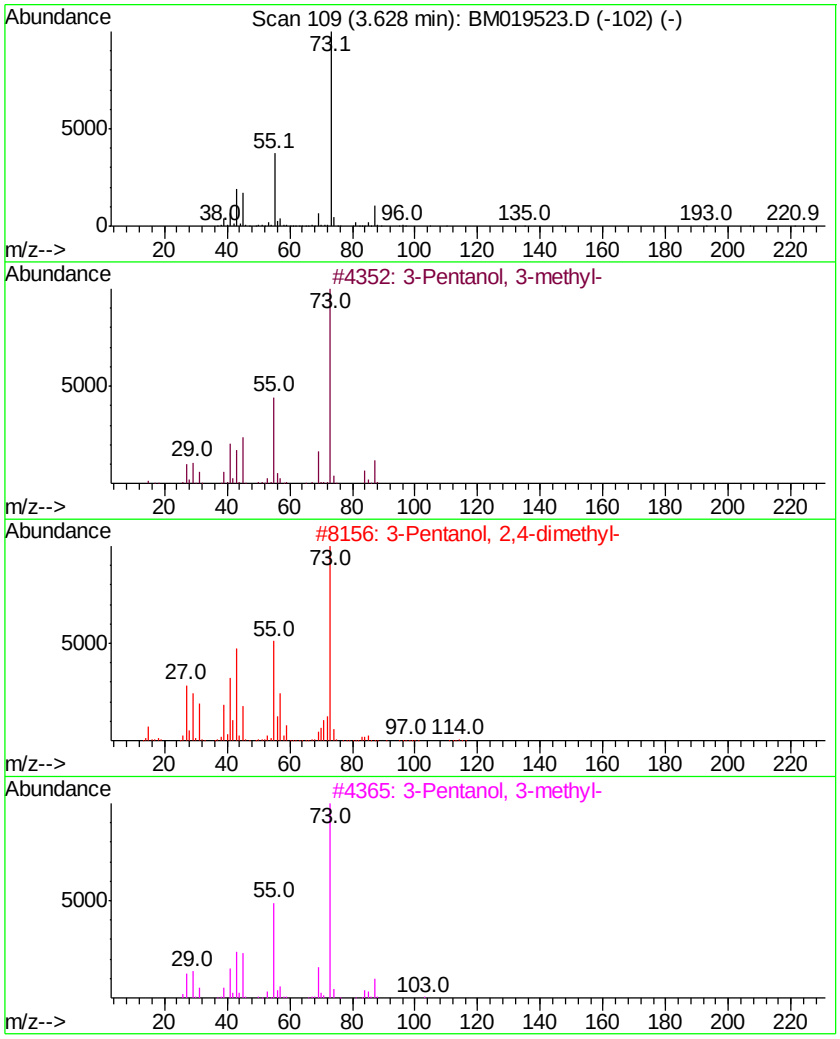
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

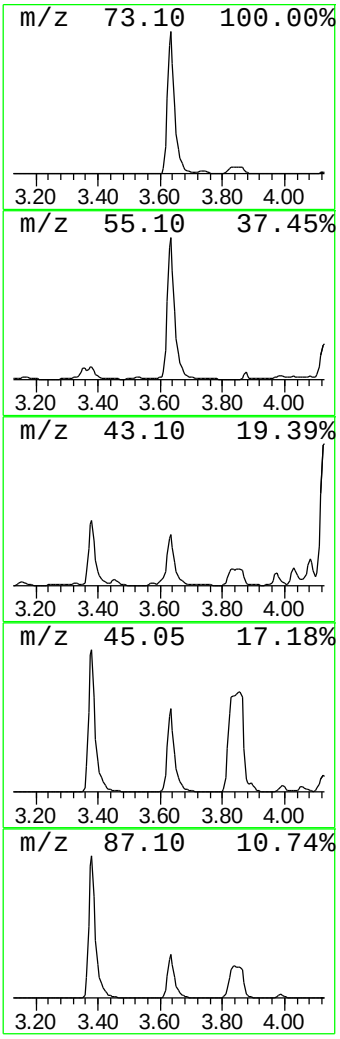
****

Peak Number 2 3-Pentanol, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	73.41 ng/ul	7045690	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	56
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	36
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	36
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	33
5	Formic acid, ethyl ester	74	C3H6O2	000109-94-4	9





Library Search Compound Report

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

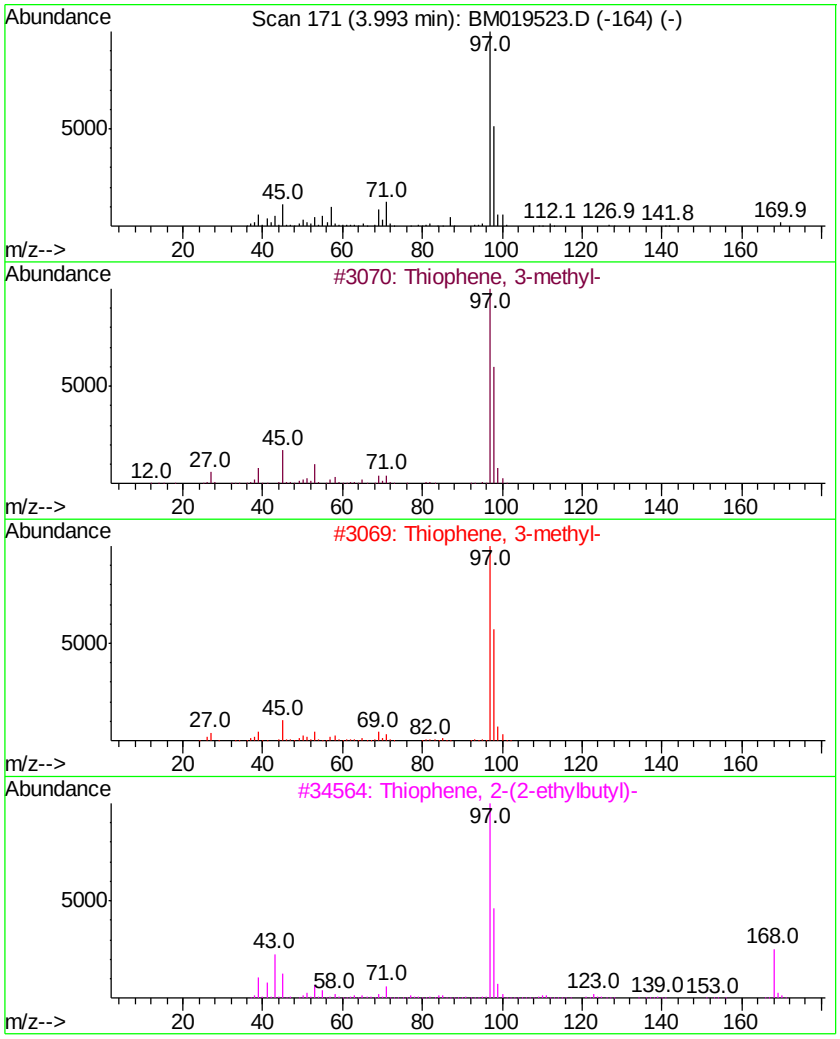
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

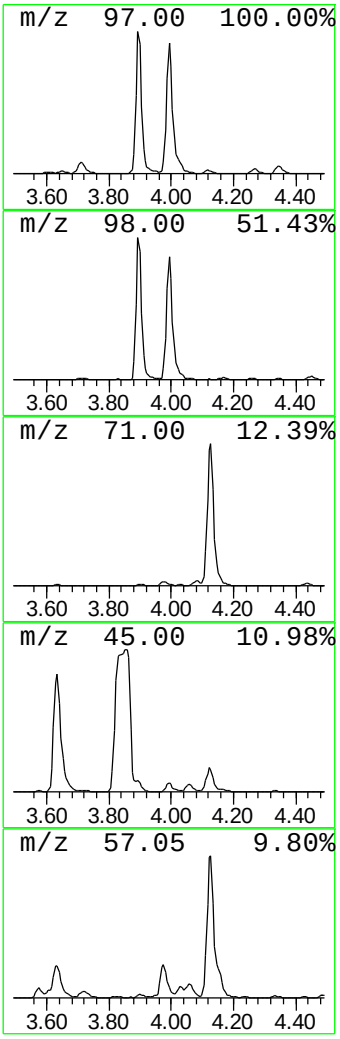
****

Peak Number 4 Thiophene, 3-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	12.56 ng/ul	1205320	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	80
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	72
3	Thiophene, 2-(2-ethylbutyl)-	168	C10H16S	005682-00-8	64
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	64
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032719\
Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

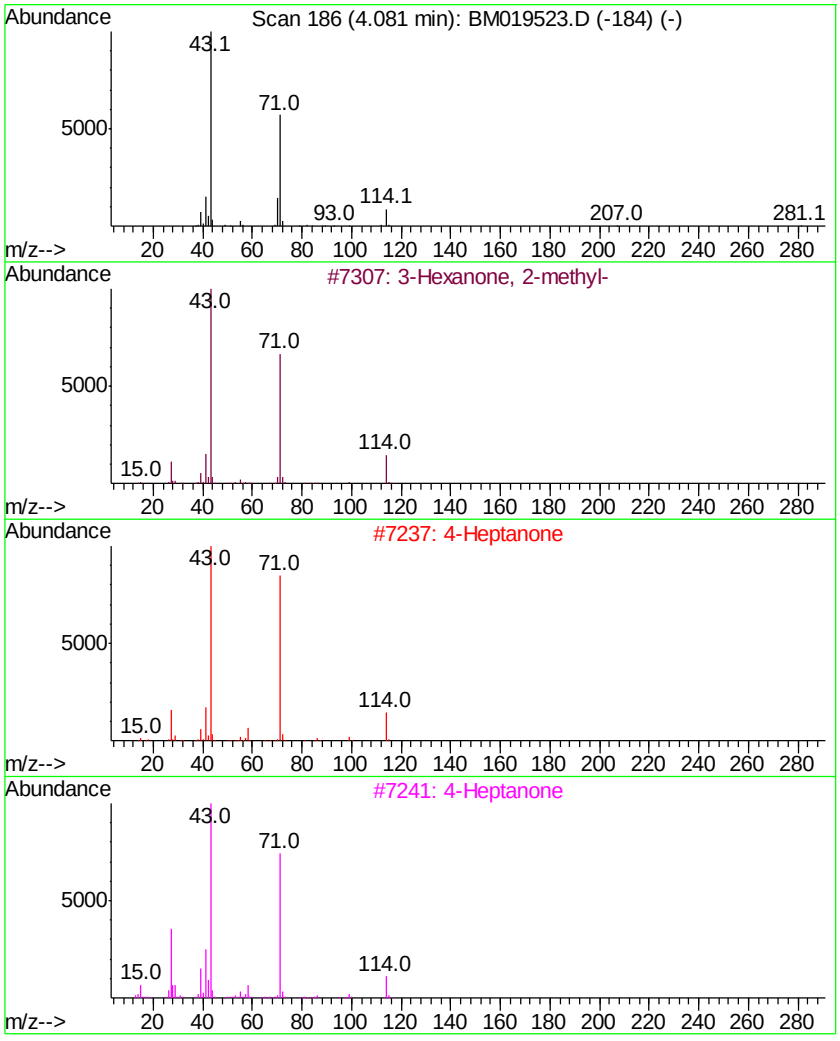
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

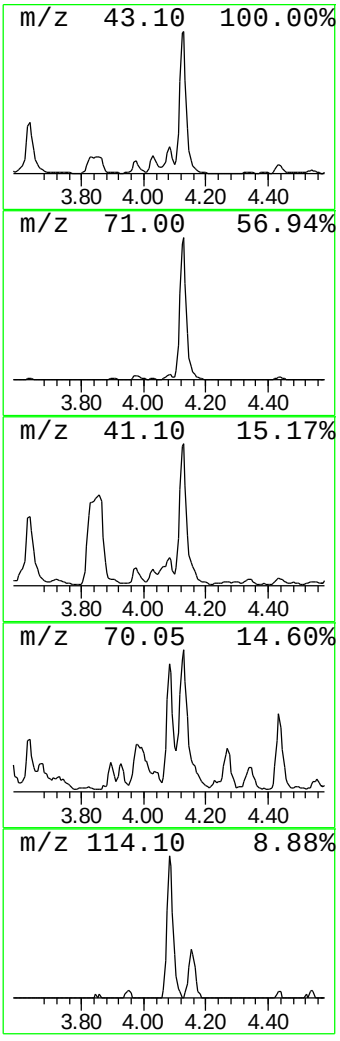
****

Peak Number 5 3-Hexanone, 2-methyl- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	5.81 ng/ul	557936	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
2	4-Heptanone	114	C7H14O	000123-19-3	50
3	4-Heptanone	114	C7H14O	000123-19-3	50
4	4-Heptanone	114	C7H14O	000123-19-3	50
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	47





Library Search Compound Report

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Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

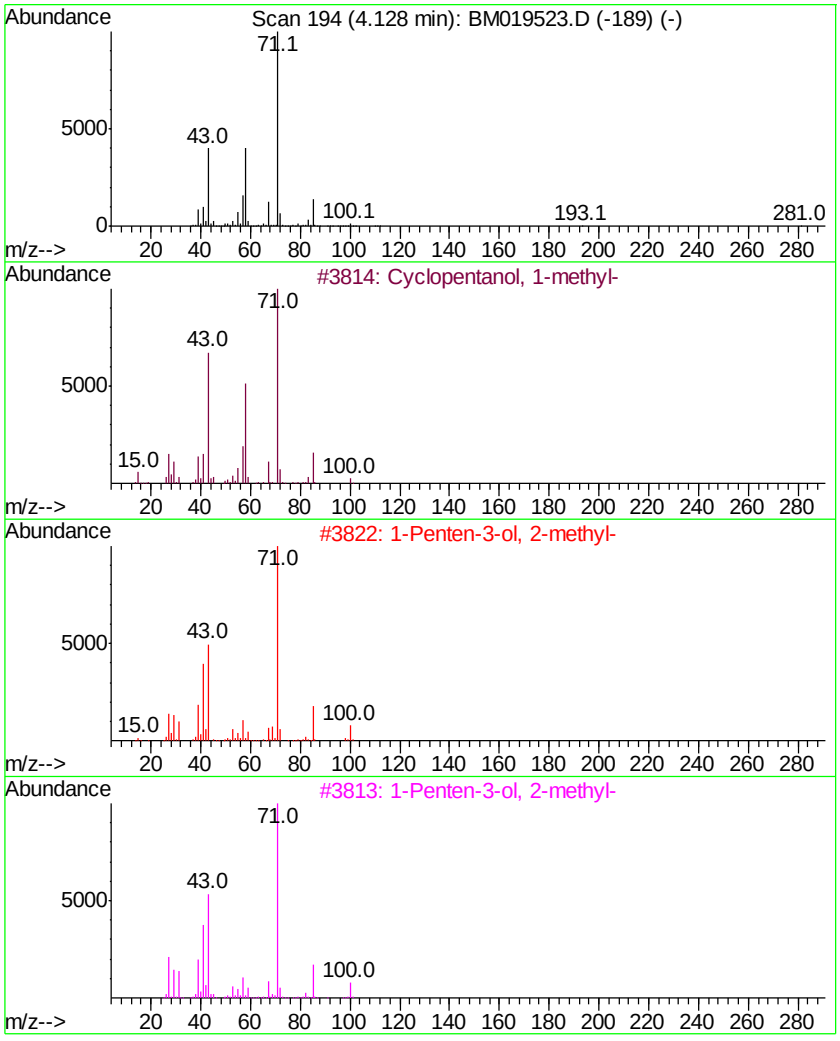
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

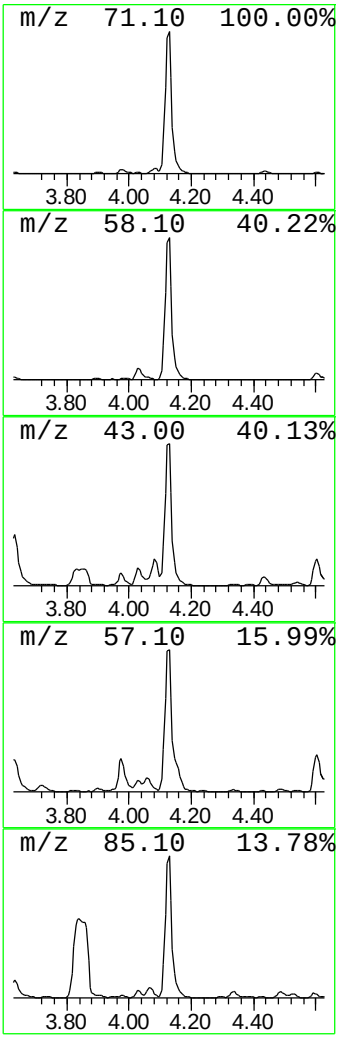
****

Peak Number 6 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	101.26 ng/ul	9718310	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	47
2	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	45
3	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	45
4	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	42
5	Valeric acid, 2-tetrahydrofurylm...	186	C10H18O3	005451-86-5	40





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Sample : K2063-05
Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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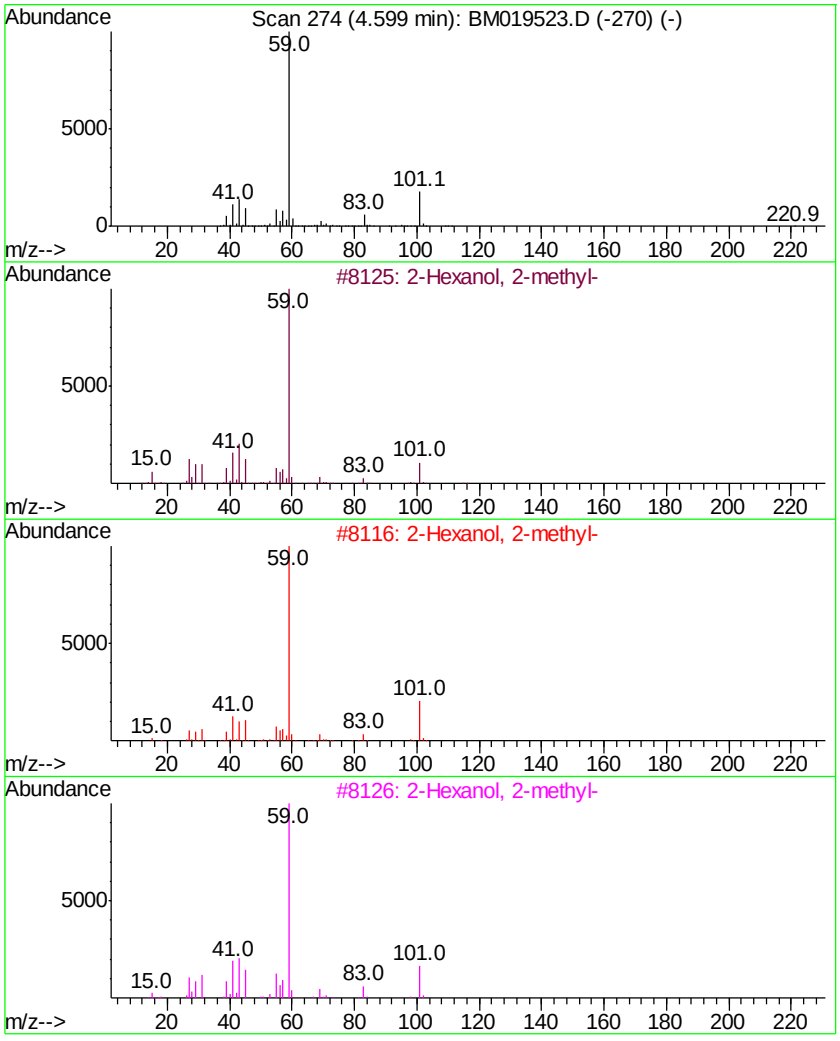
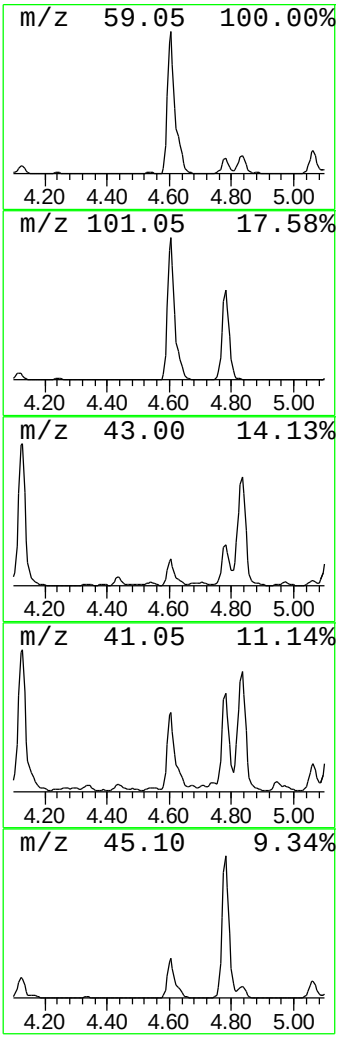
Peak Number 8 2-Hexanol, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.60	43.32 ng/ul	4157800	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	78
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	74
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	72
4	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	50
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	40





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Instrument : BNA_M
ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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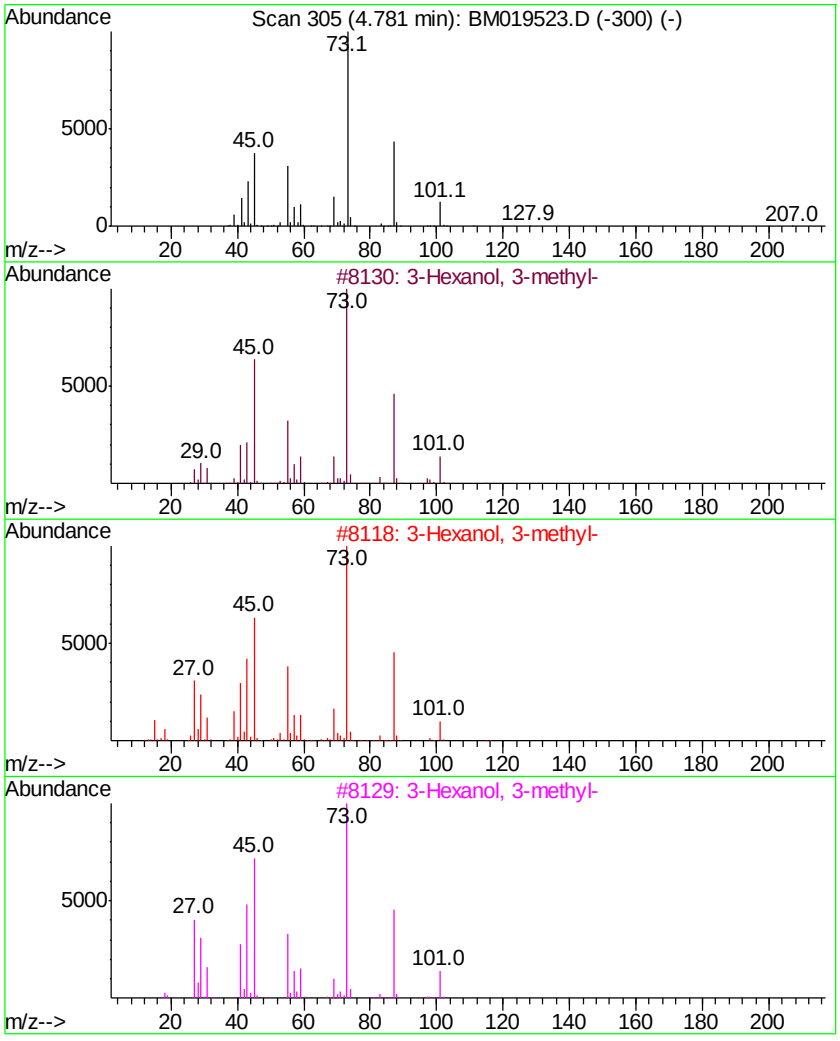
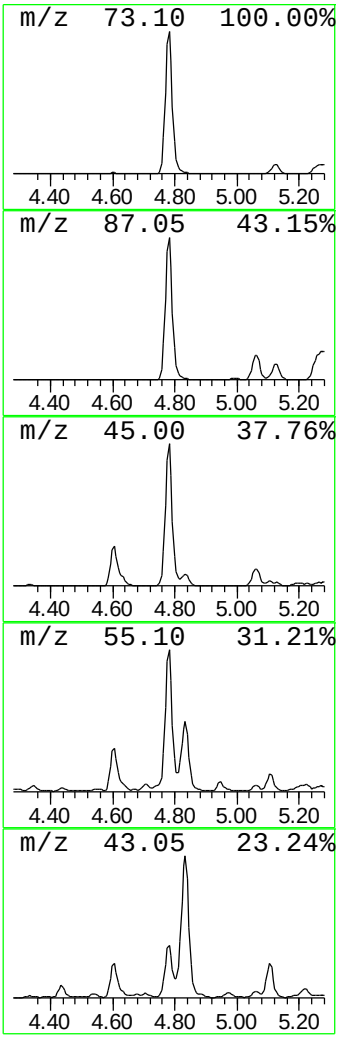
Peak Number 9 3-Hexanol, 3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	57.96 ng/ul	5563060	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	90
2	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	83
3	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	83
4	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	72
5	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	59





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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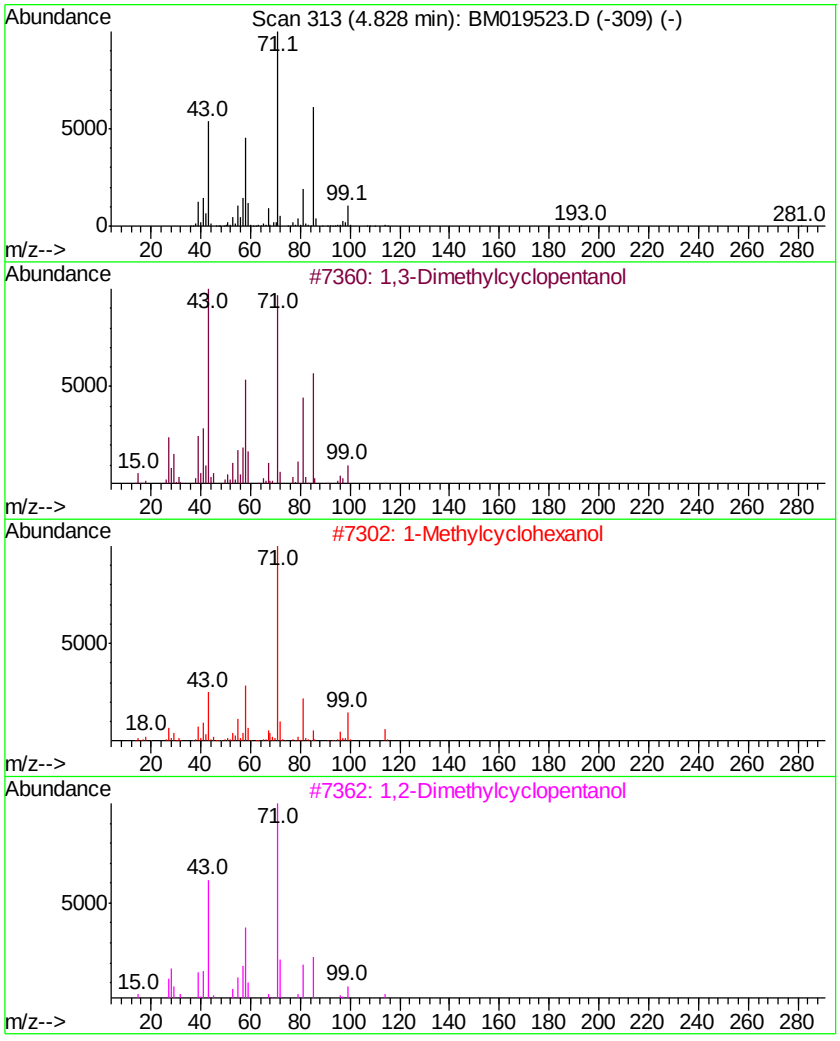
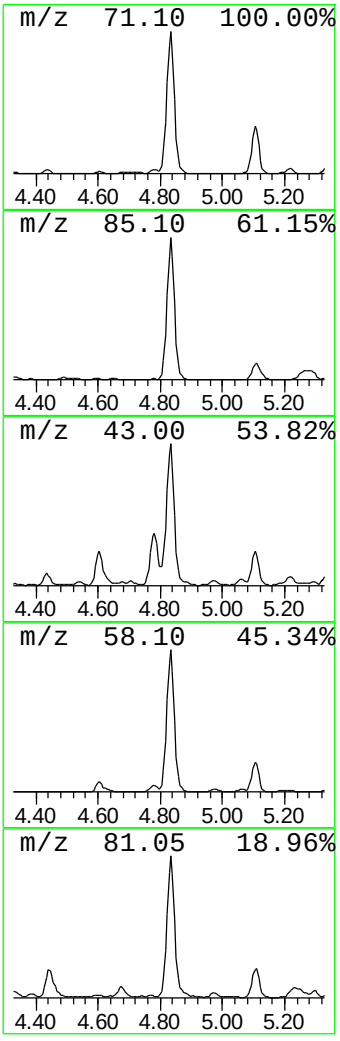
Peak Number 10 1,3-Dimethylcyclopentanol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	95.84 ng/ul	9199030	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	53
2	1-Methylcyclohexanol	114	C7H14O	000590-67-0	45
3	1,2-Dimethylcyclopentanol	114	C7H14O	019550-45-9	45
4	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	43
5	Butanal, 4-[(tetrahydro-2H-pyran...	172	C9H16O3	054911-85-2	42





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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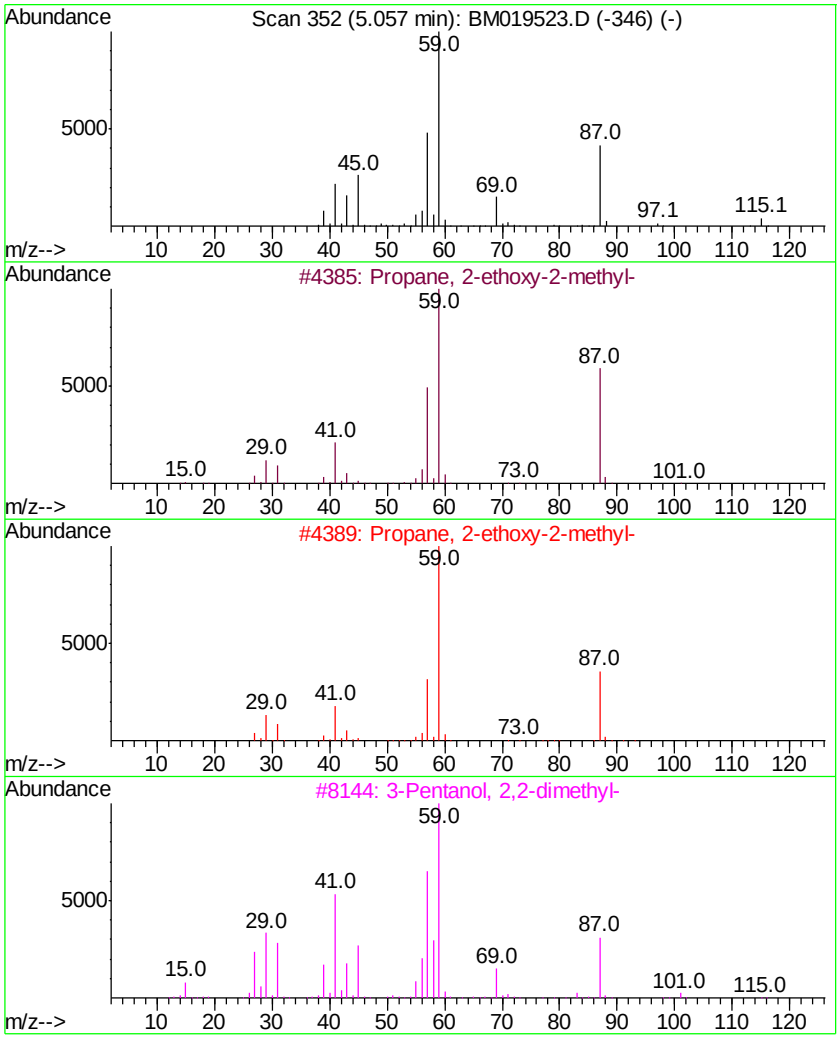
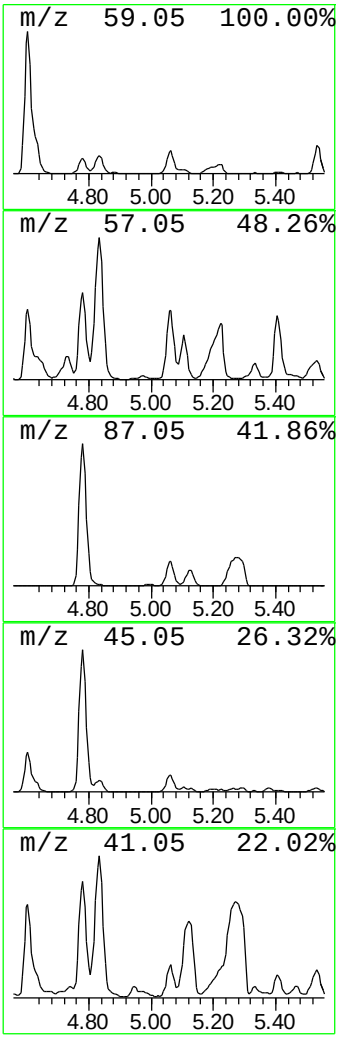
Peak Number 11 Propane, 2-ethoxy-2-methyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	10.40 ng/ul	998570	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	59
2	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	59
3	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	56
4	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	47
5	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	45





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Instrument : BNA_M
ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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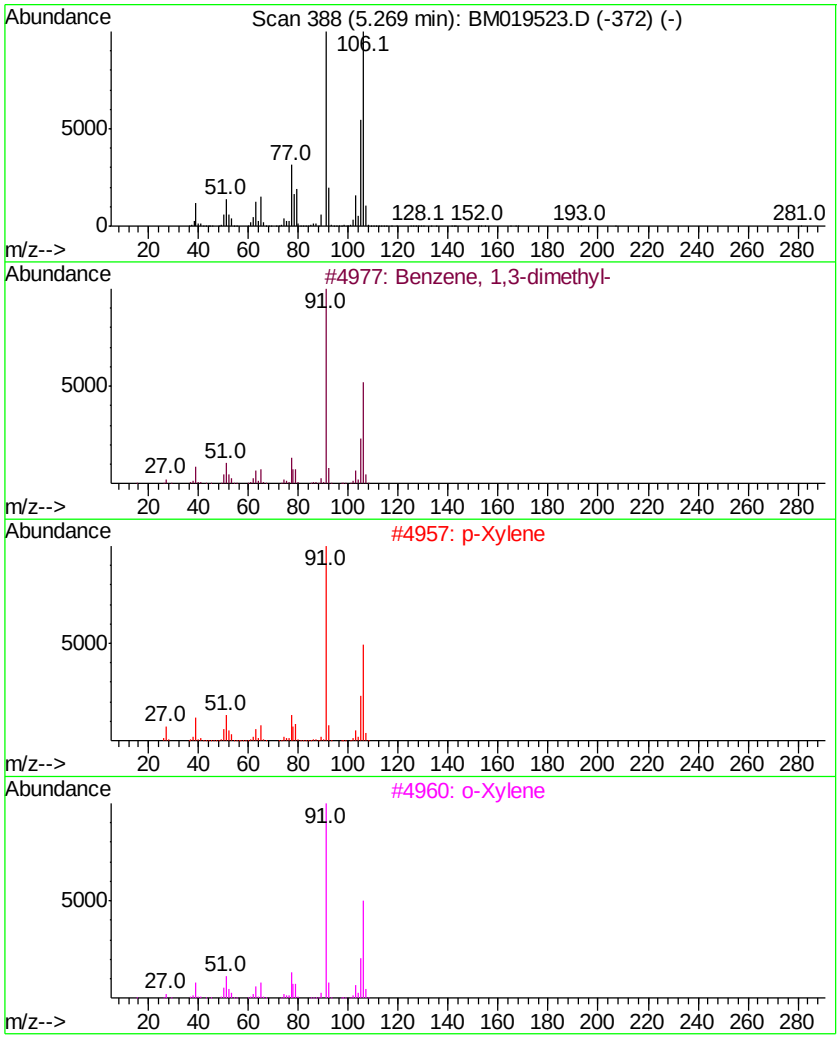
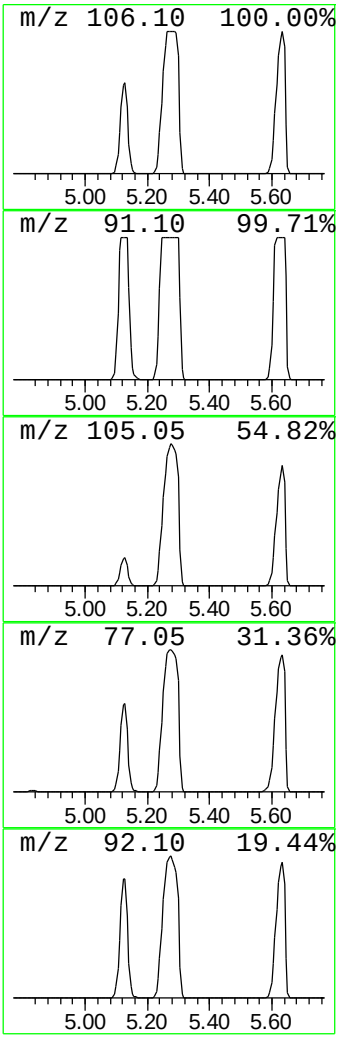
Peak Number 13 Benzene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.27	1696.88 ng/ul	162865000	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	93
2	p-Xylene	106	C8H10	000106-42-3	93
3	o-Xylene	106	C8H10	000095-47-6	93
4	o-Xylene	106	C8H10	000095-47-6	90
5	Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	80





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Instrument : BNA_M
ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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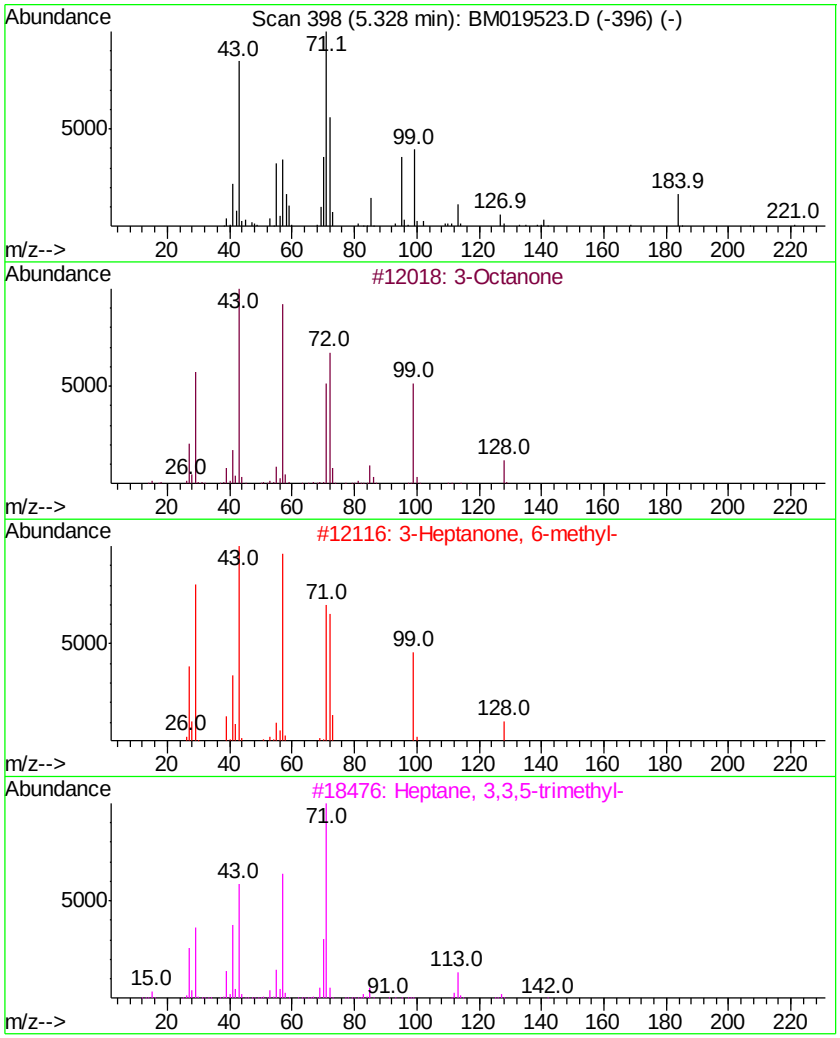
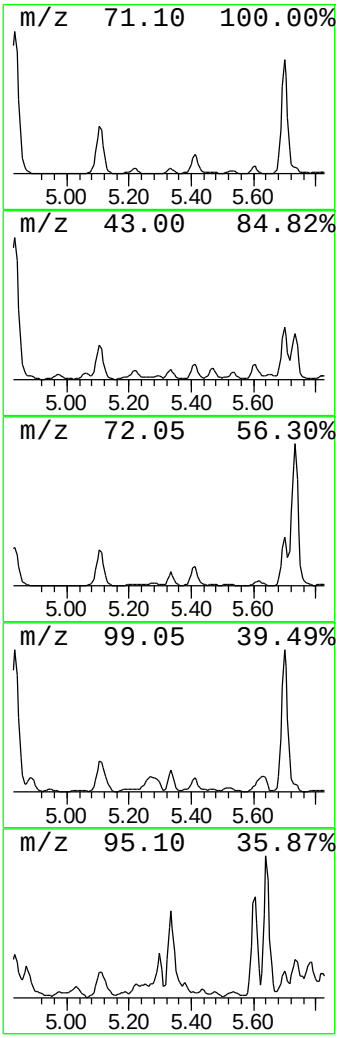
Peak Number 14 unknown-02 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	5.61 ng/ul	538207	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	38
2	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	38
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	35
4	1,2,3-Thiadiazole, 5-methyl-	100	C3H4N2S	050406-54-7	35
5	n-Caproic acid vinyl ester	142	C8H14O2	003050-69-9	35





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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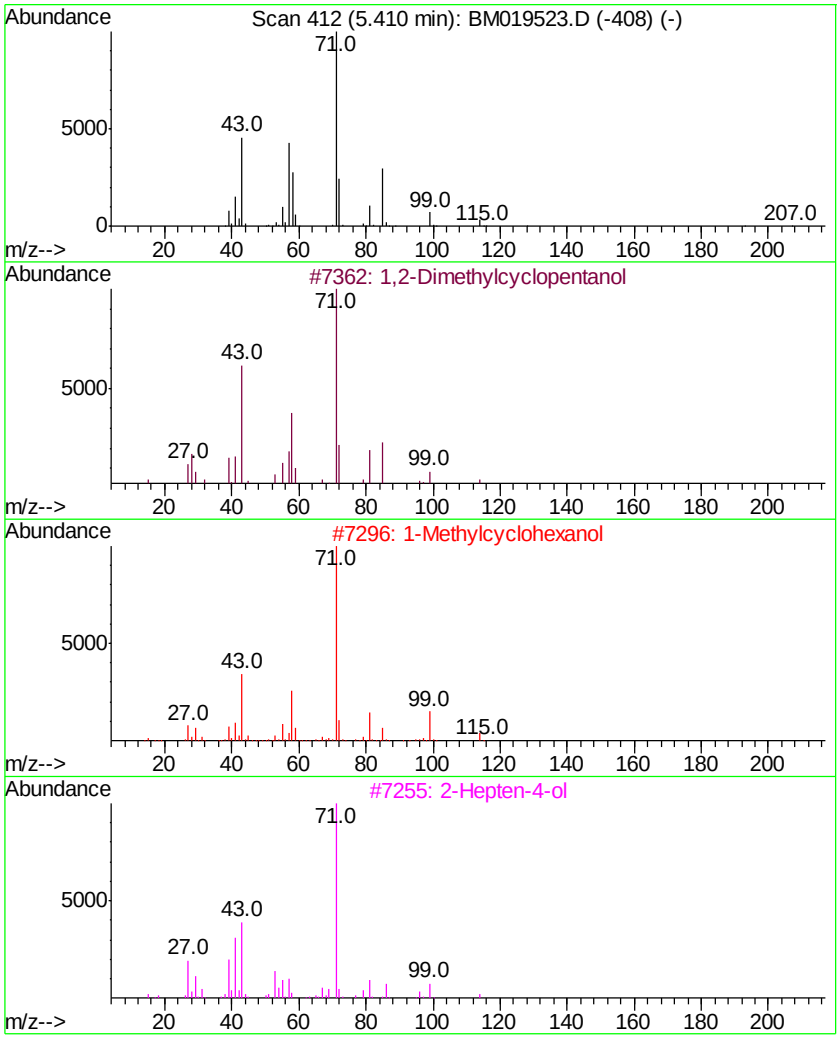
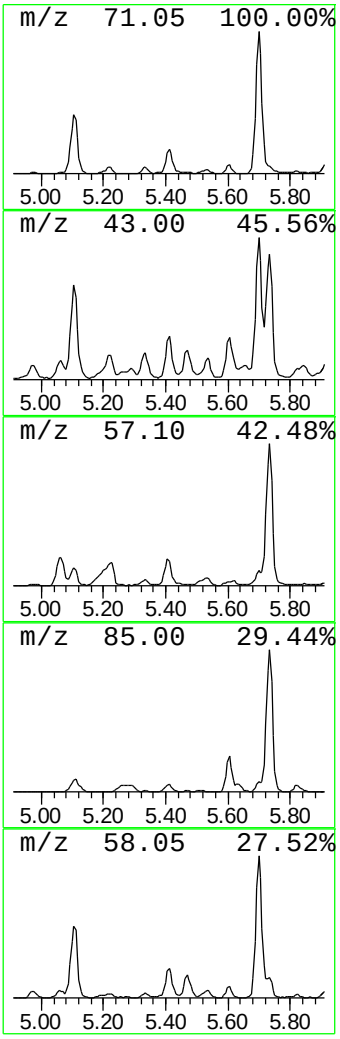
Peak Number 15 unknown-03 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.41	8.90 ng/ul	854522	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dimethylcyclopentanol	114	C7H14O	019550-45-9	45
2	1-Methylcyclohexanol	114	C7H14O	000590-67-0	45
3	2-Hepten-4-ol	114	C7H14O	004798-59-8	33
4	2,4-Dimethyl-1-penten-3-ol	114	C7H14O	019781-54-5	33
5	Butanoic acid, anhydride	158	C8H14O3	000106-31-0	17





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 16 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	11.97 ng/ul	1149140	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	53
2	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	47
3	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	45
4	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	40
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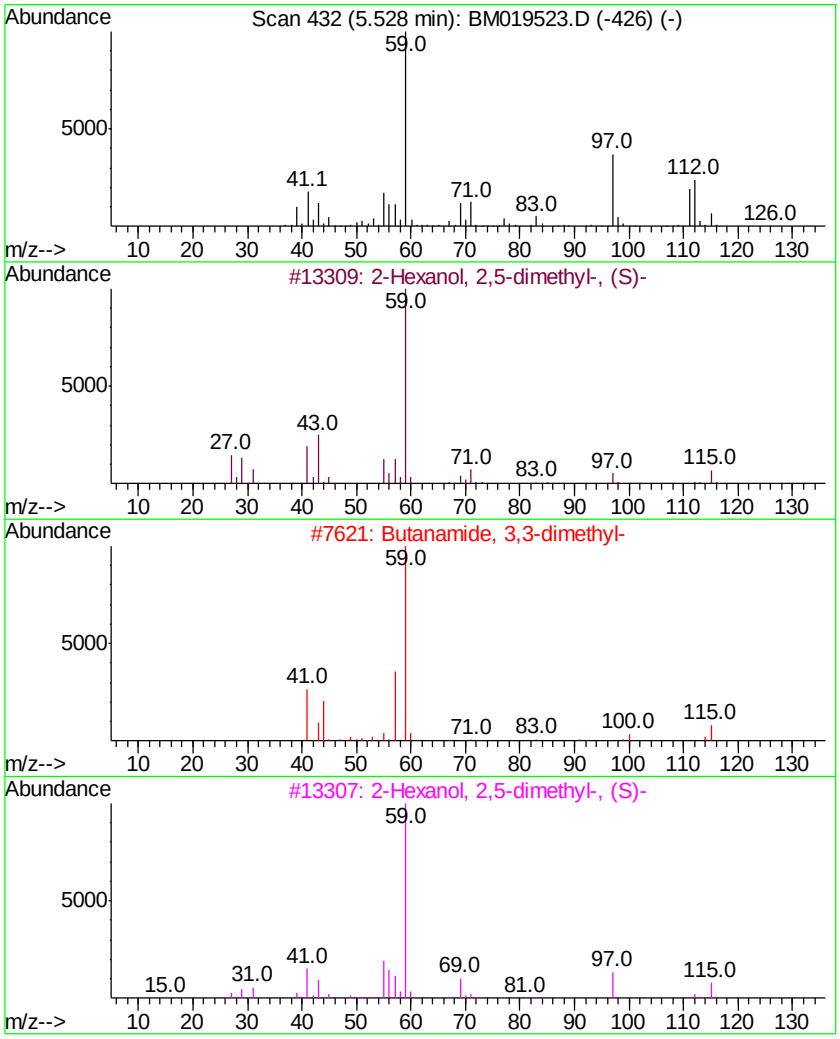

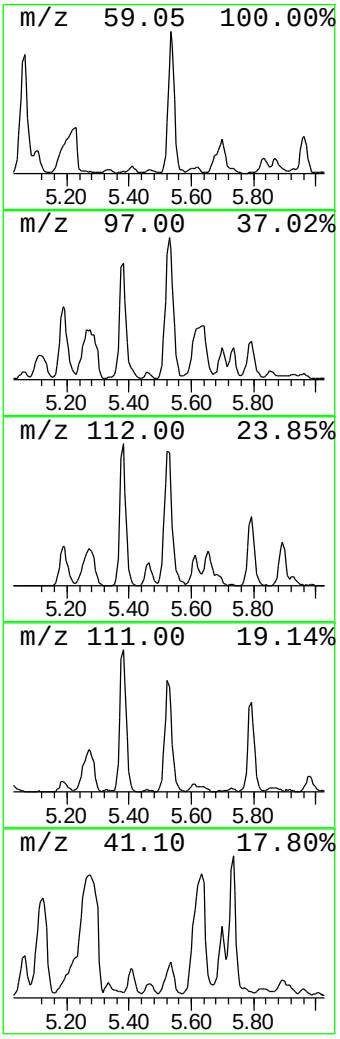

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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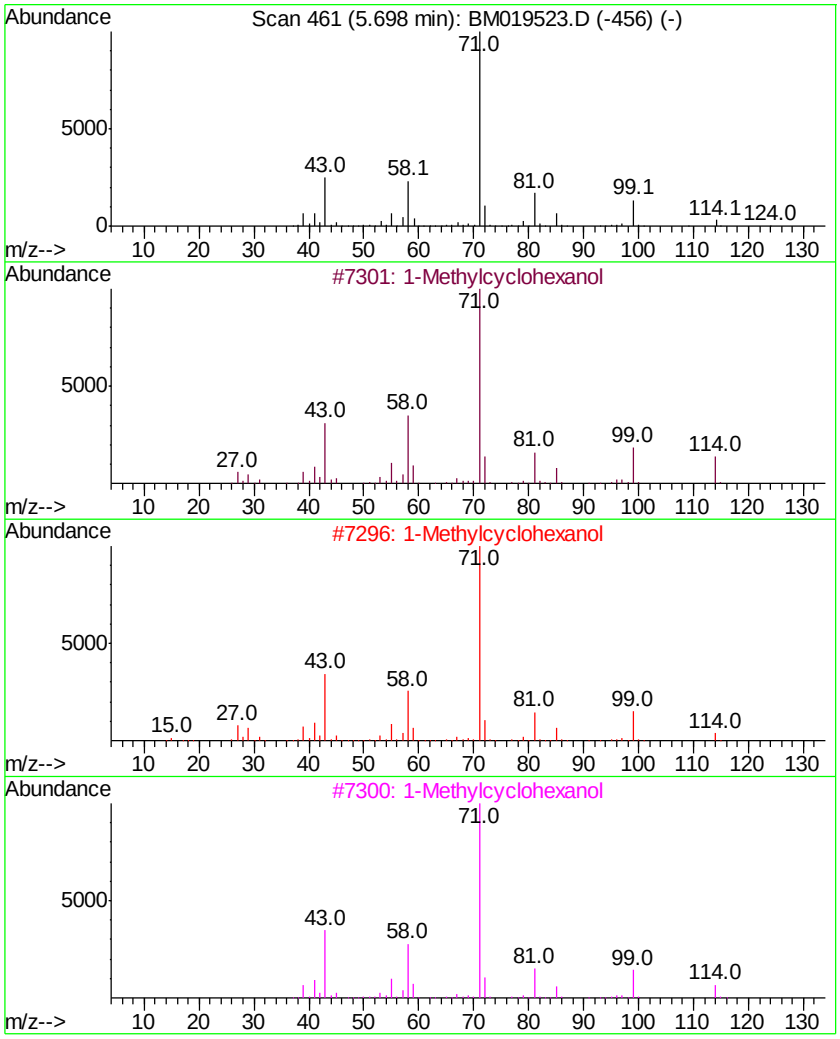
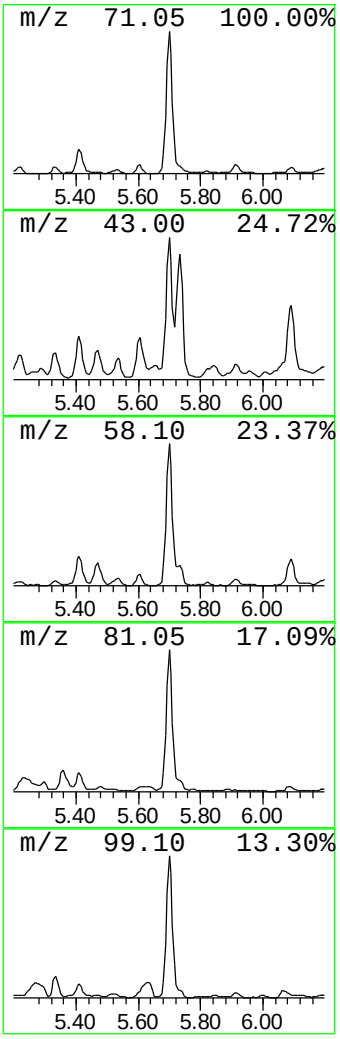
Peak Number 18 1-Methylcyclohexanol Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	35.45 ng/ul	3402000	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcyclohexanol	114	C7H14O	000590-67-0	90
2	1-Methylcyclohexanol	114	C7H14O	000590-67-0	58
3	1-Methylcyclohexanol	114	C7H14O	000590-67-0	52
4	1-Methylcyclohexanol	114	C7H14O	000590-67-0	50
5	trans-2-Methyl-4-hexen-3-ol	114	C7H14O	096346-76-8	33





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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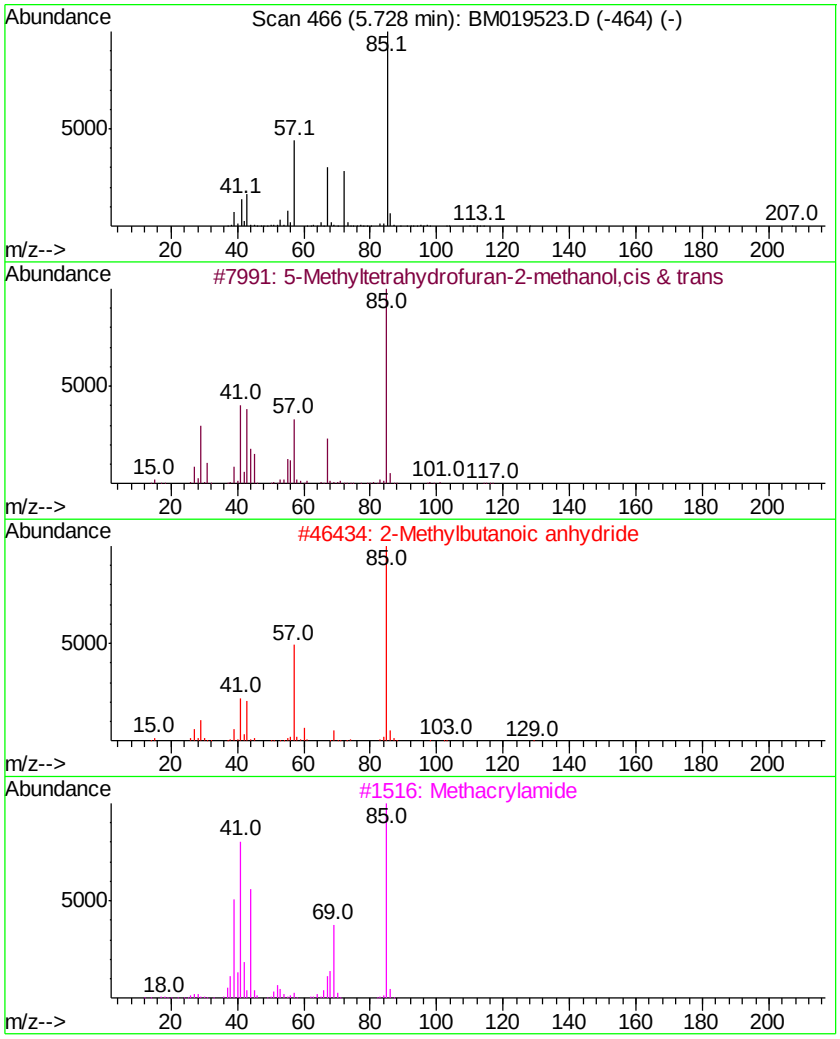
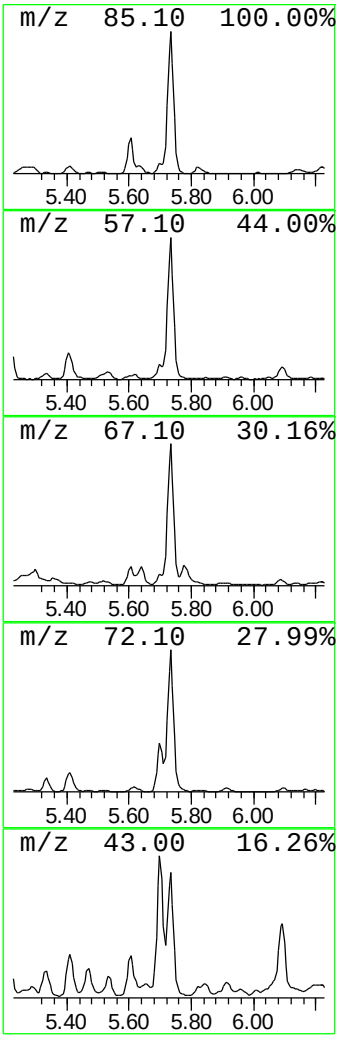
Peak Number 19 5-Methyltetrahydrofuran-2-m... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	38.74 ng/ul	3717870	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyltetrahydrofuran-2-methan...	116	C6H12O2	006126-49-4	59
2	2-Methylbutanoic anhydride	186	C10H18O3	001468-39-9	47
3	Methacrylamide	85	C4H7NO	000079-39-0	9
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	2(3H)-Furanone, dihydro-5-propyl-	128	C7H12O2	000105-21-5	9





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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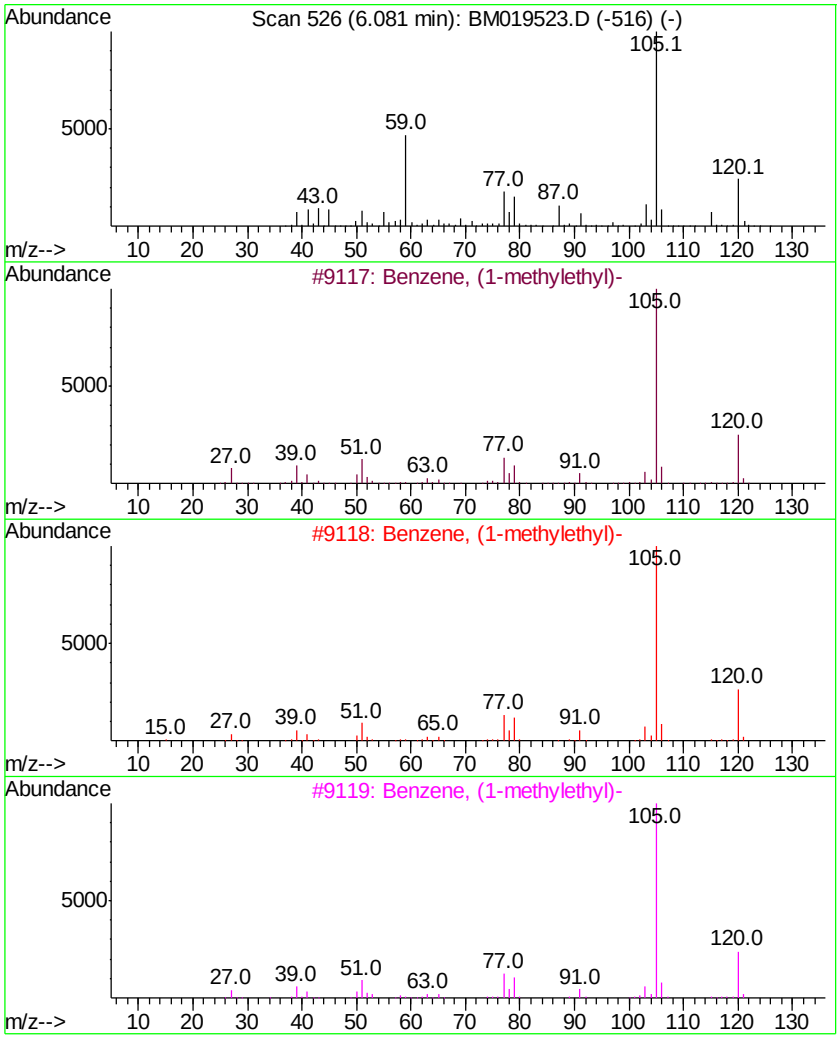
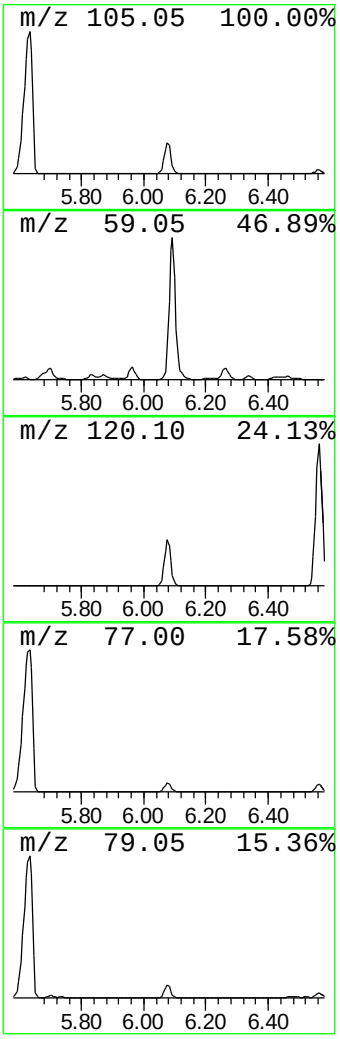
Peak Number 20 Benzene, (1-methylethyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	63.22 ng/ul	6067760	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	60
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	55
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	55
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	55
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	49





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ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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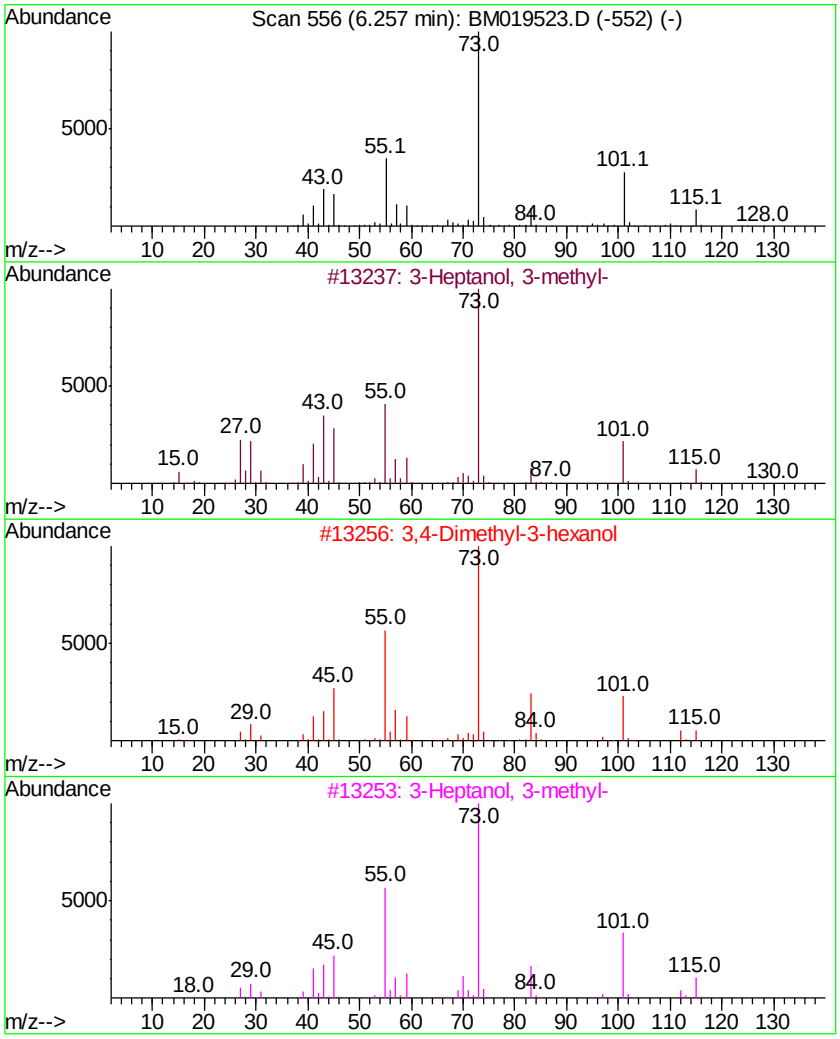
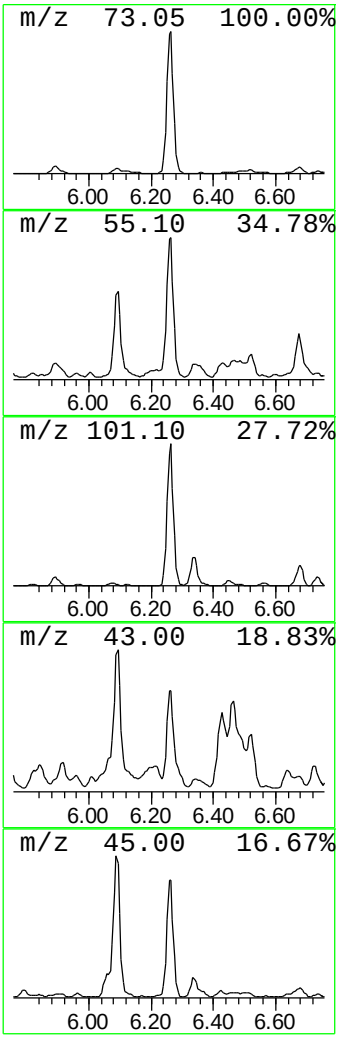
Peak Number 21 3-Heptanol, 3-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	23.21 ng/ul	2227600	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	78
2	3,4-Dimethyl-3-hexanol	130	C8H18O	019550-08-4	64
3	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	53
4	3,4-Dimethyl-3-hexanol	130	C8H18O	019550-08-4	40
5	3,4,4-Trimethyl-3-pentanol	130	C8H18O	007294-05-5	30





Library Search Compound Report

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Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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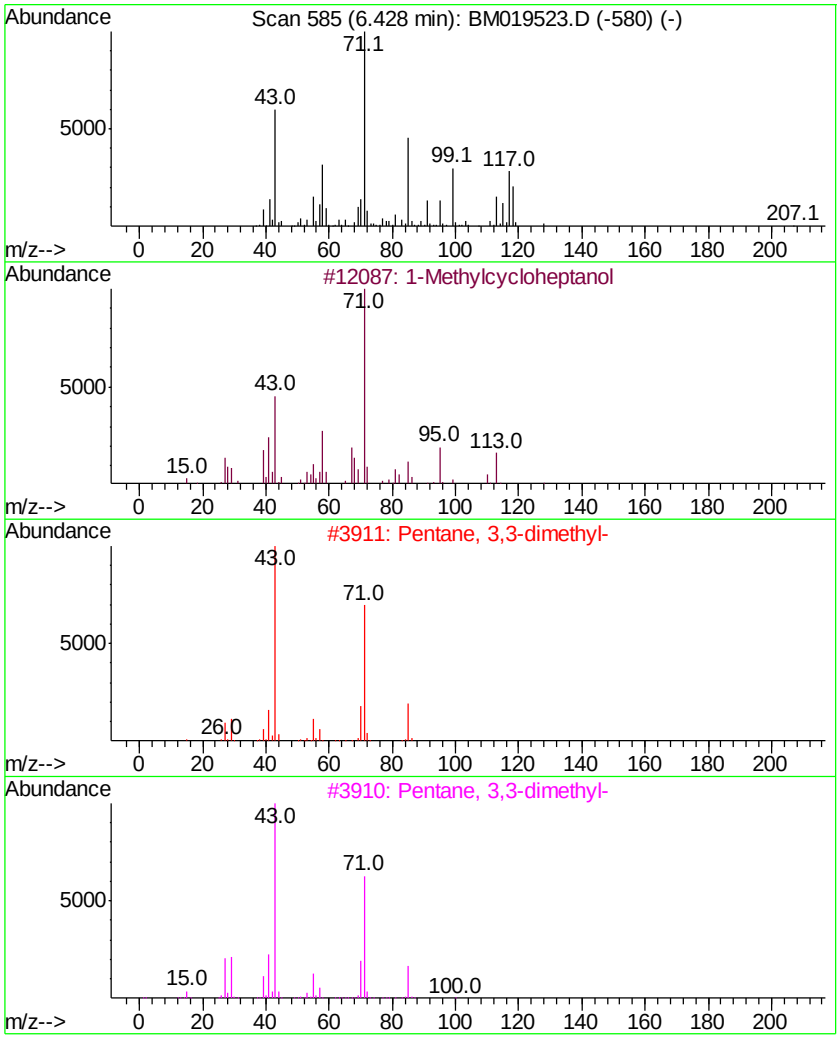
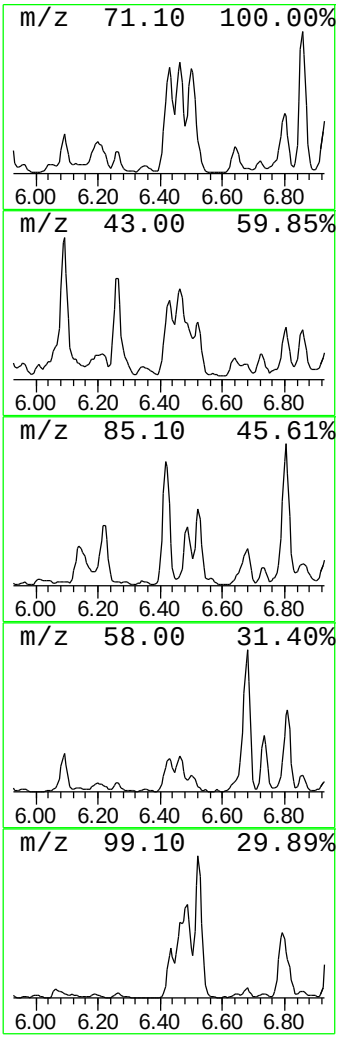
Peak Number 22 unknown-04 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	10.33 ng/ul	991796	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcycloheptanol	128	C8H16O	003761-94-2	46
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	32
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	32
5	Allyl 2-ethyl butyrate	156	C9H16O2	007493-69-8	27





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Instrument : BNA_M
ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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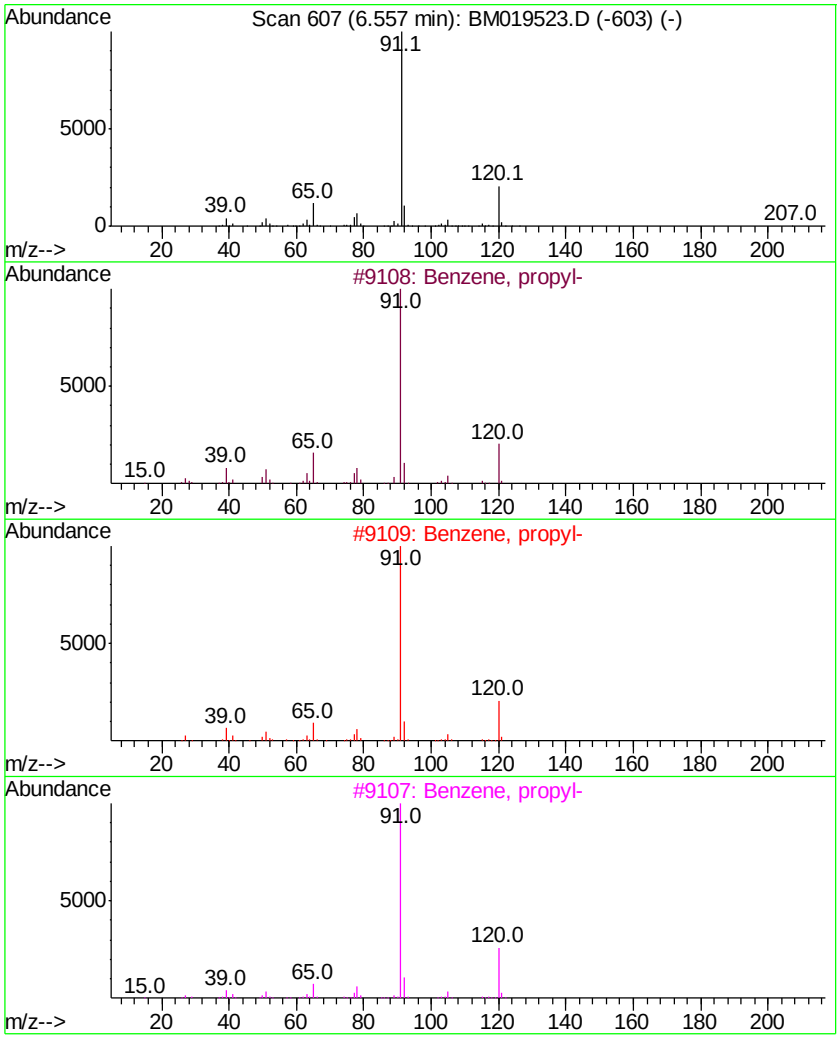
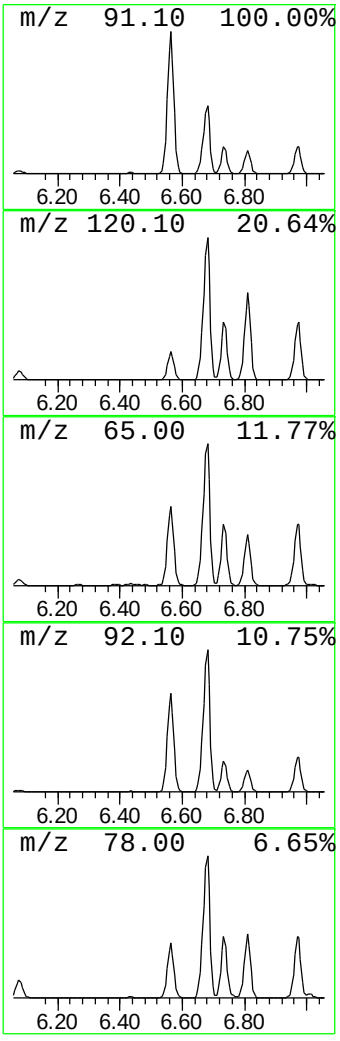
Peak Number 23 Benzene, propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	94.17 ng/ul	9038050	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64





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Instrument : BNA_M
ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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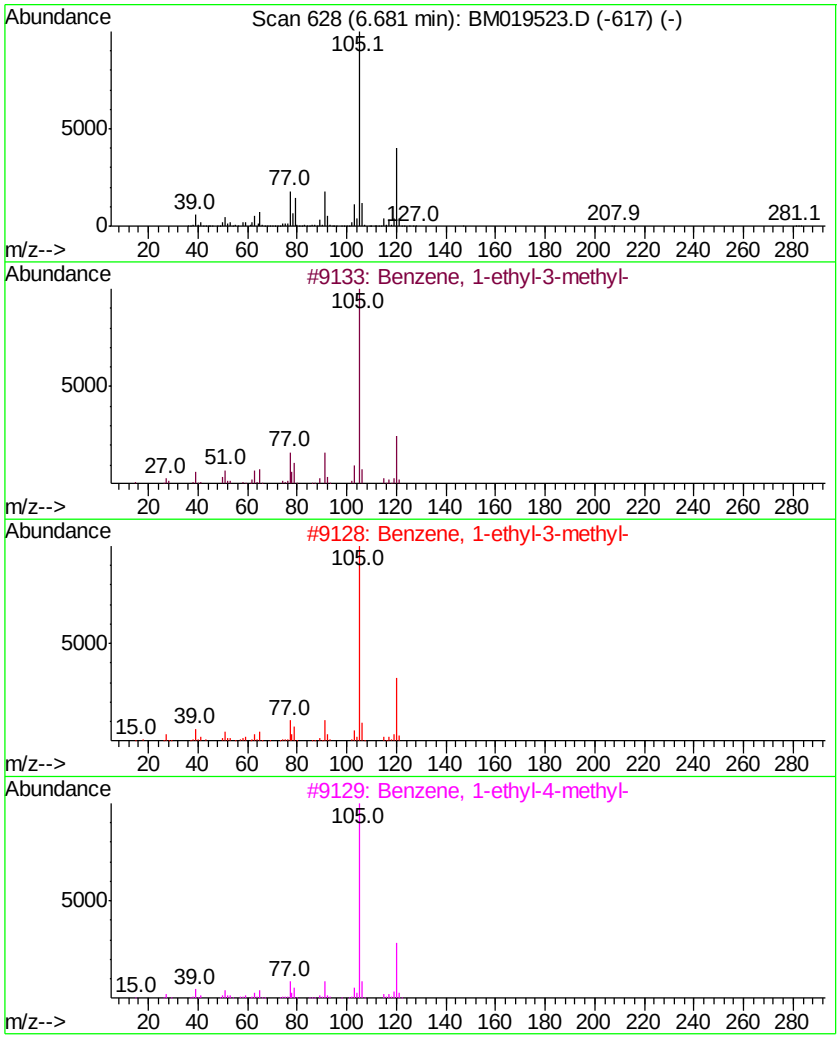
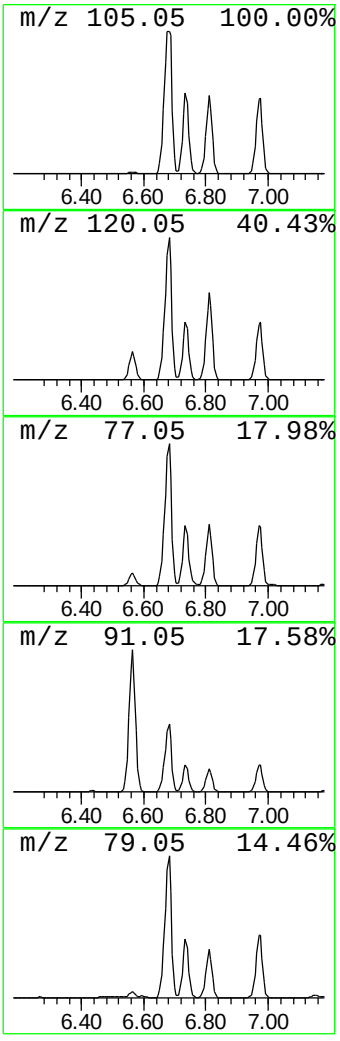
Peak Number 24 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	443.94 ng/ul	42608800	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

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ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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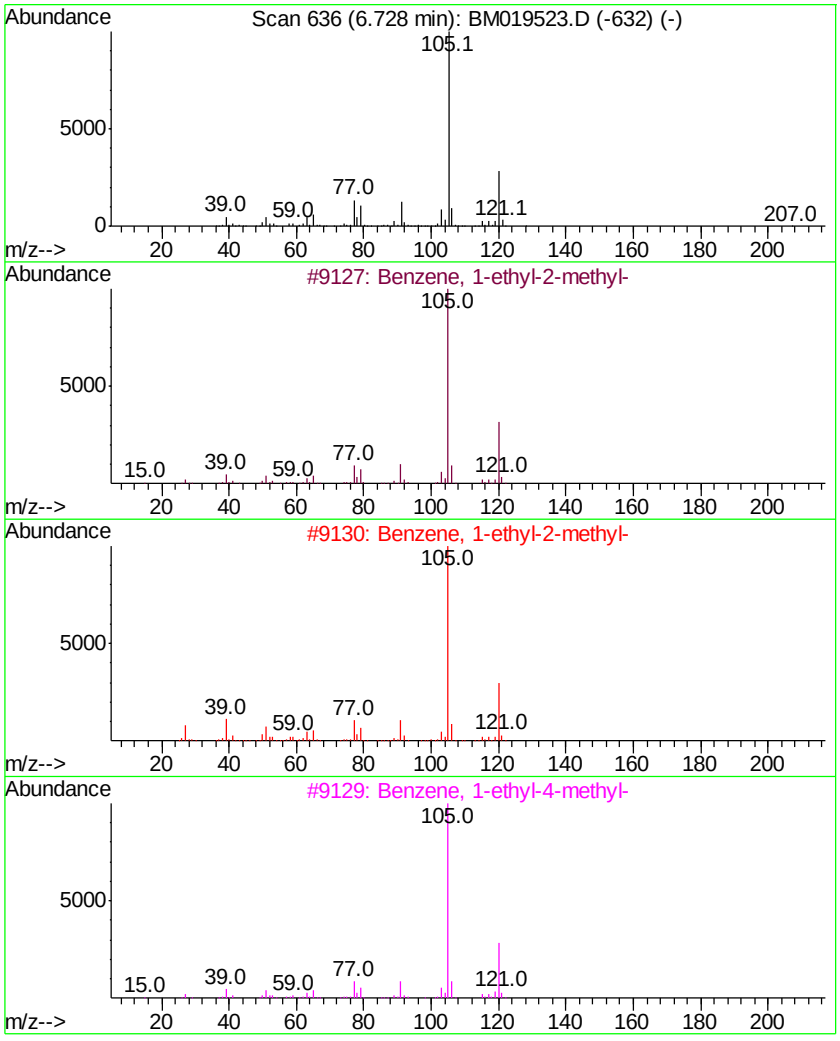
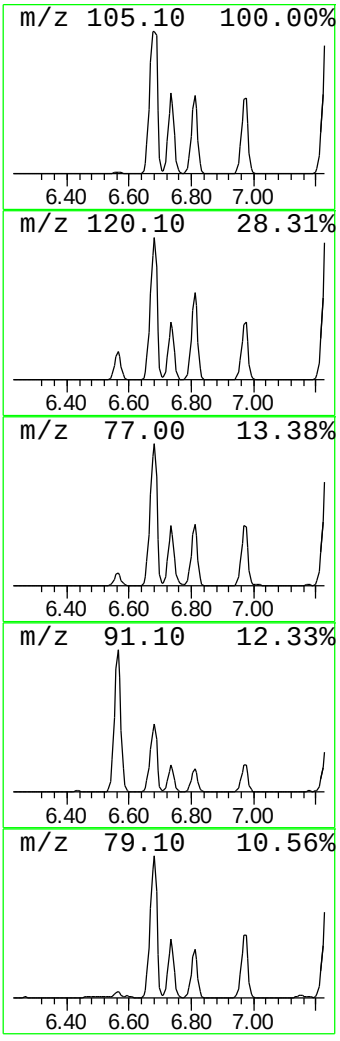
Peak Number 25 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	165.77 ng/ul	15910700	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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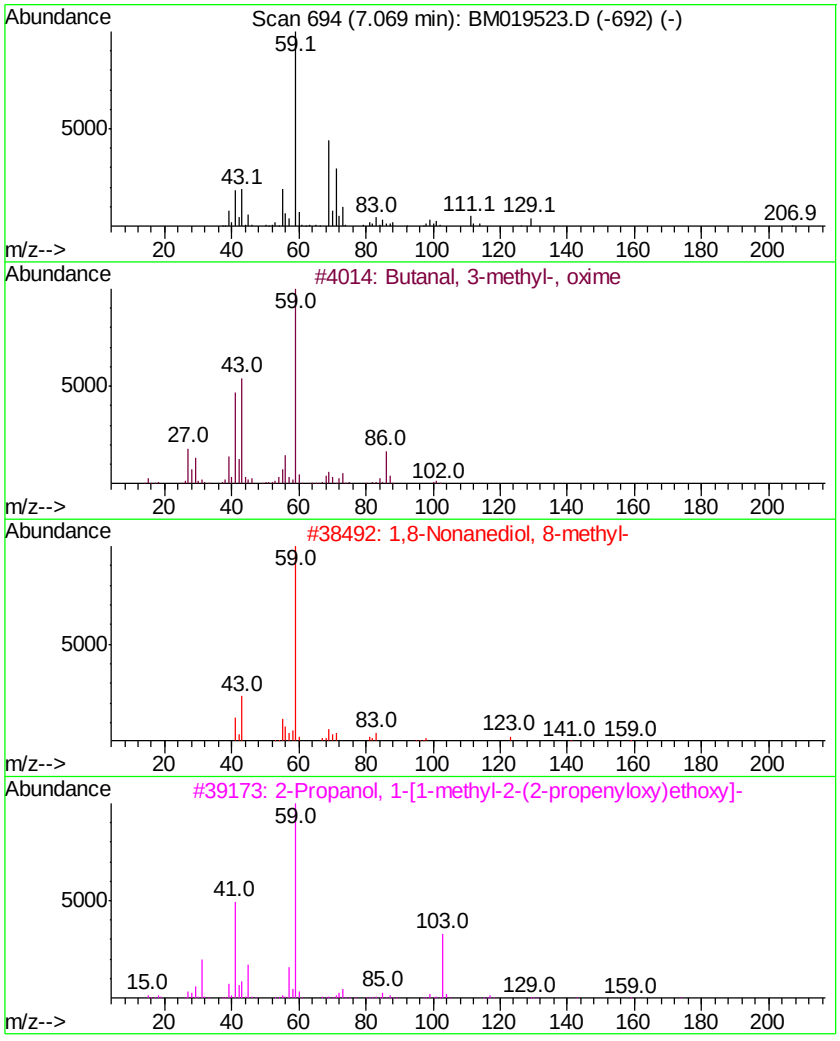
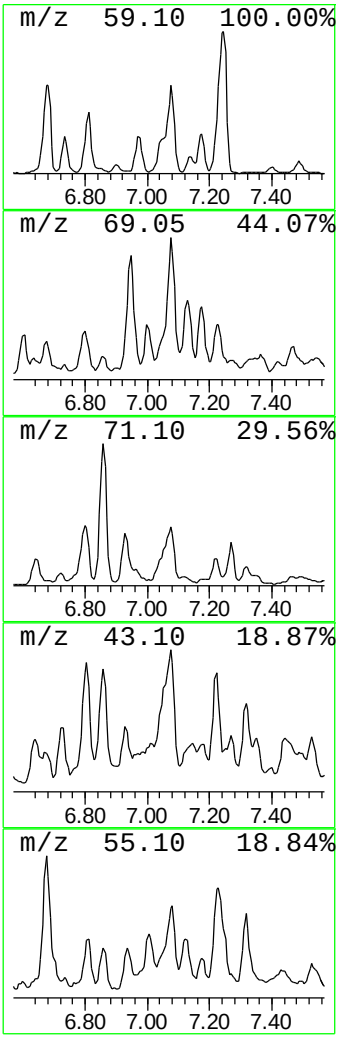
Peak Number 26 Butanal, 3-methyl-, oxime Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	7.04 ng/ul	676112	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-, oxime	101	C5H11NO	000626-90-4	53
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	50
3	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	45
4	2-Pentanol, 3-ethyl-2-methyl-	130	C8H18O	019780-63-3	42
5	Enanthamide	129	C7H15NO	000628-62-6	42





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Misc :
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ClientSampleId : DB6R7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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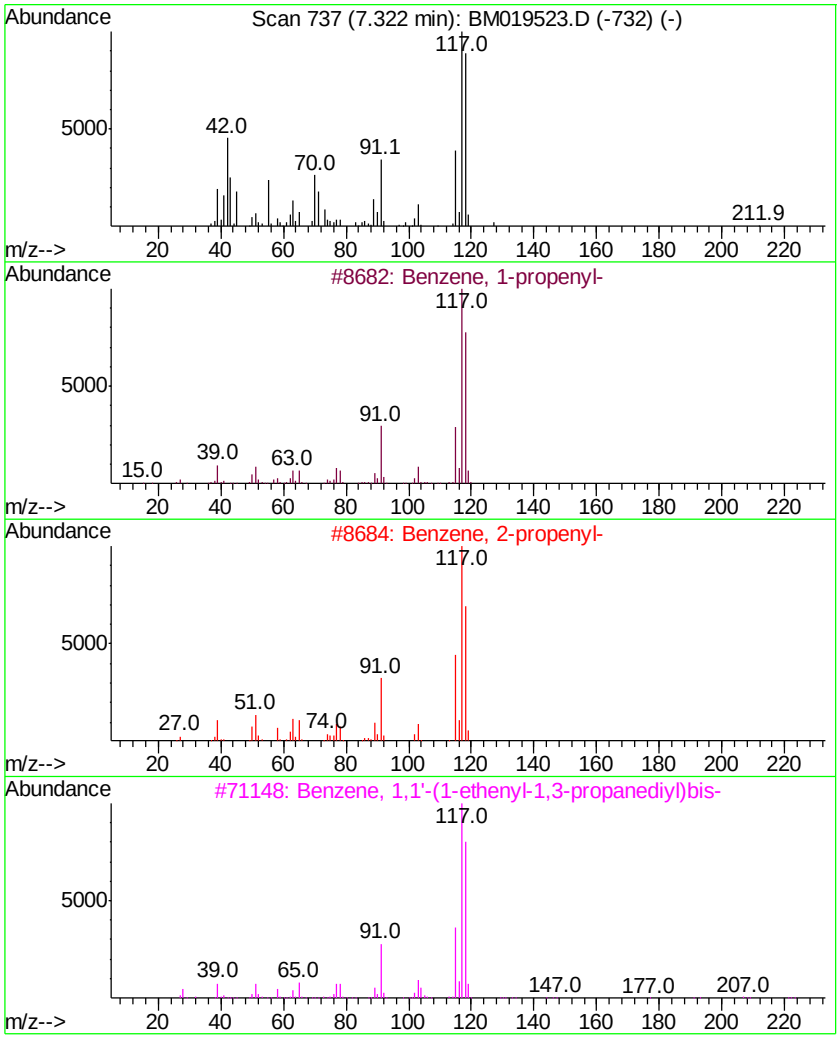
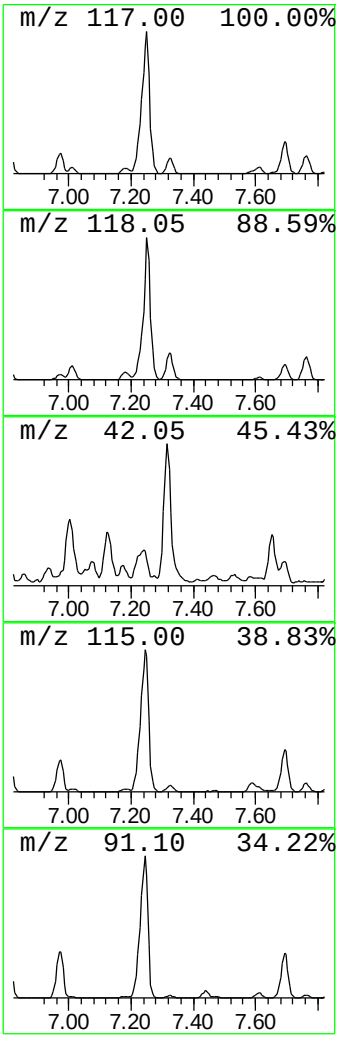
Peak Number 28 Benzene, 1-propenyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	10.90 ng/ul	1045780	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
3	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	59
4	Indane	118	C9H10	000496-11-7	58
5	Indane	118	C9H10	000496-11-7	58





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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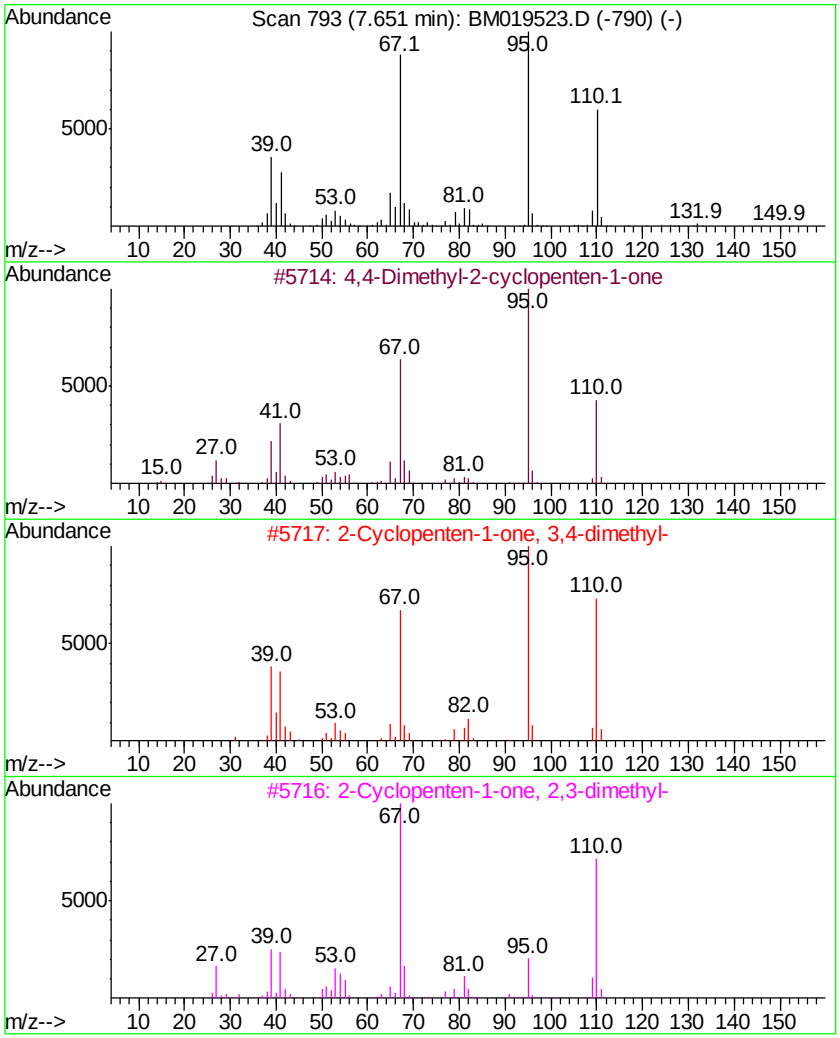
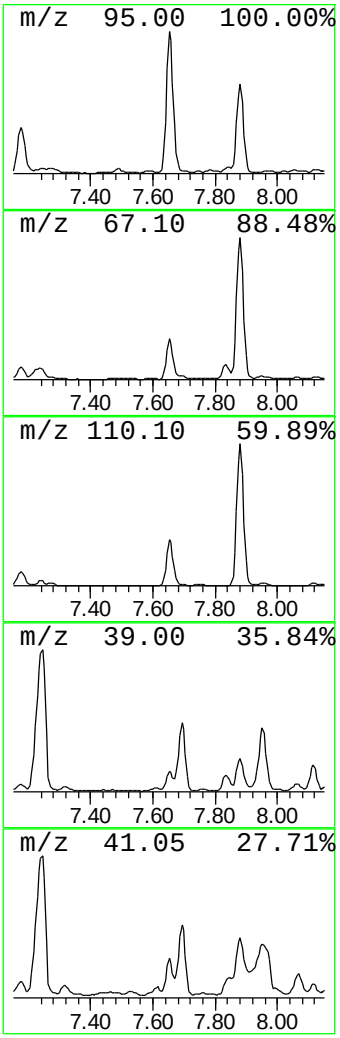
Peak Number 29 4,4-Dimethyl-2-cyclopenten-... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	13.97 ng/ul	1340980	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4-Dimethyl-2-cyclopenten-1-one	110	C7H10O	022748-16-9	87
2	2-Cyclopenten-1-one, 3,4-dimethyl-	110	C7H10O	030434-64-1	81
3	2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	52
4	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	49
5	2-Hexanoylfuran	166	C10H14O2	014360-50-0	47





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 30 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	234.87 ng/ul	22542600	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
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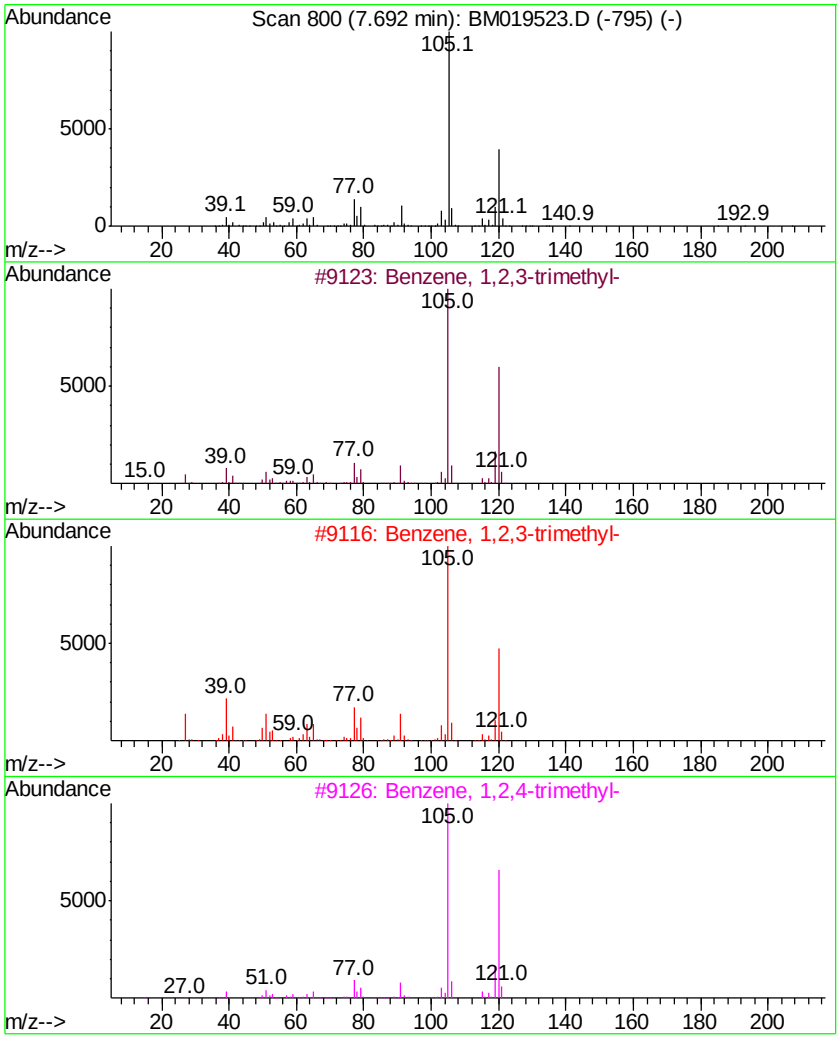

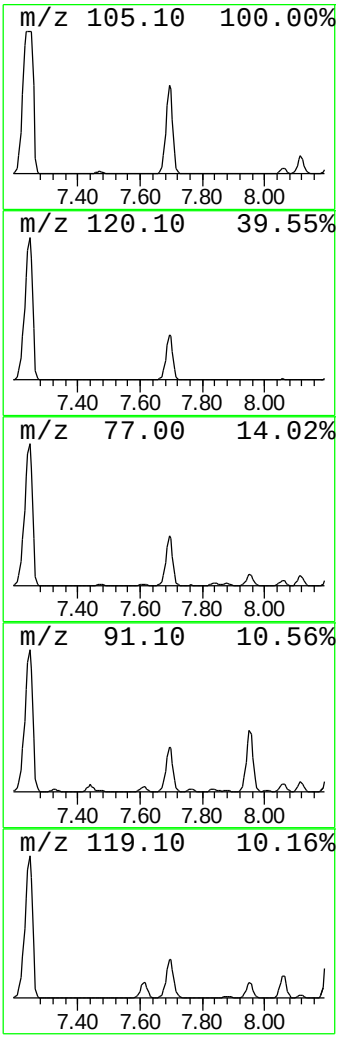

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Instrument : BNA_M
ClientSampleId : DB6R7

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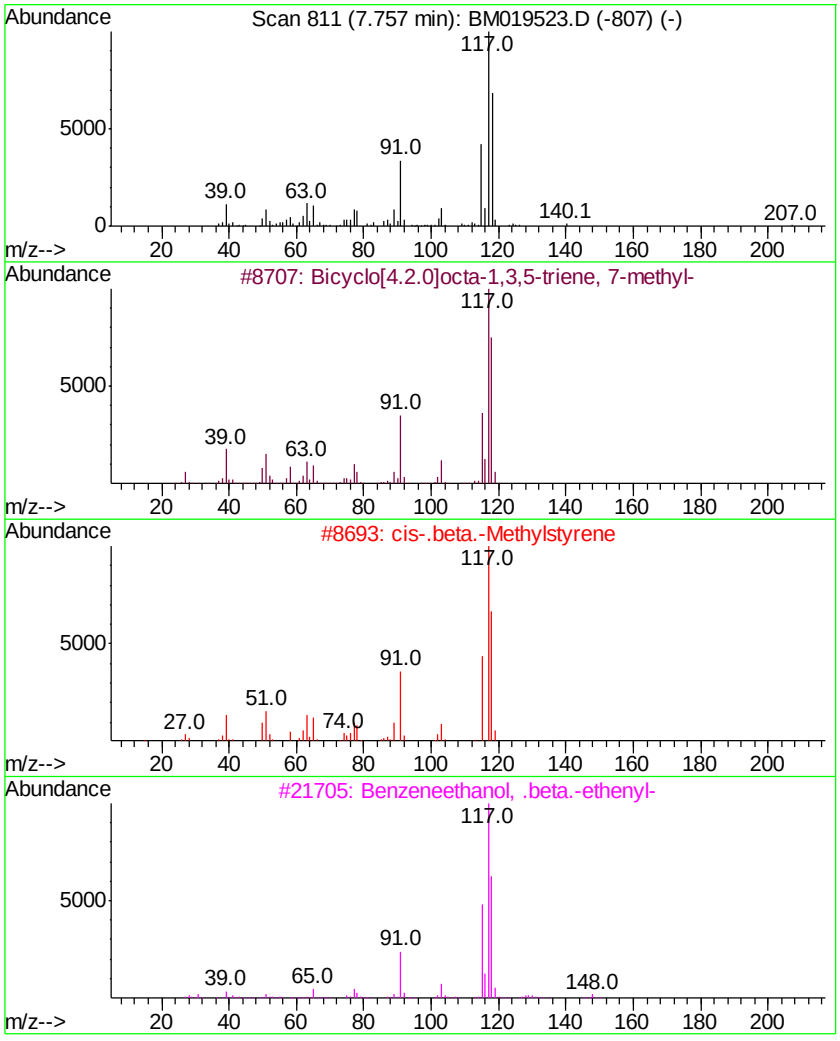
Quant Title : SVOA CALIBRATION

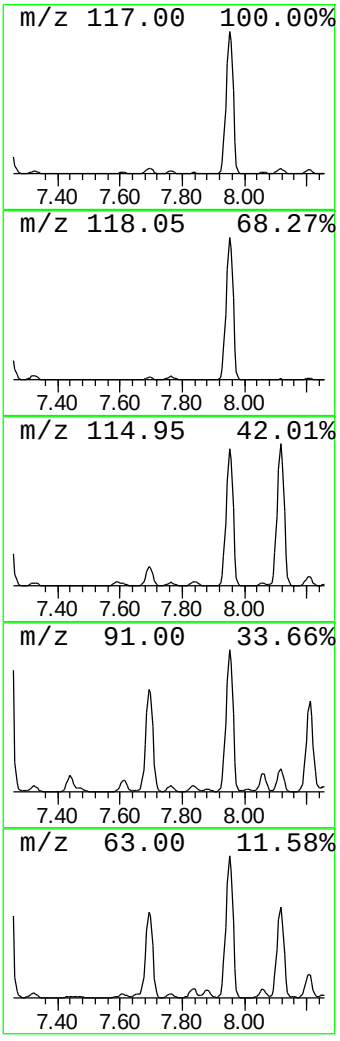
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	6.59 ng/ul	632858	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	93
2	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	93
3	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	90
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	89
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	89





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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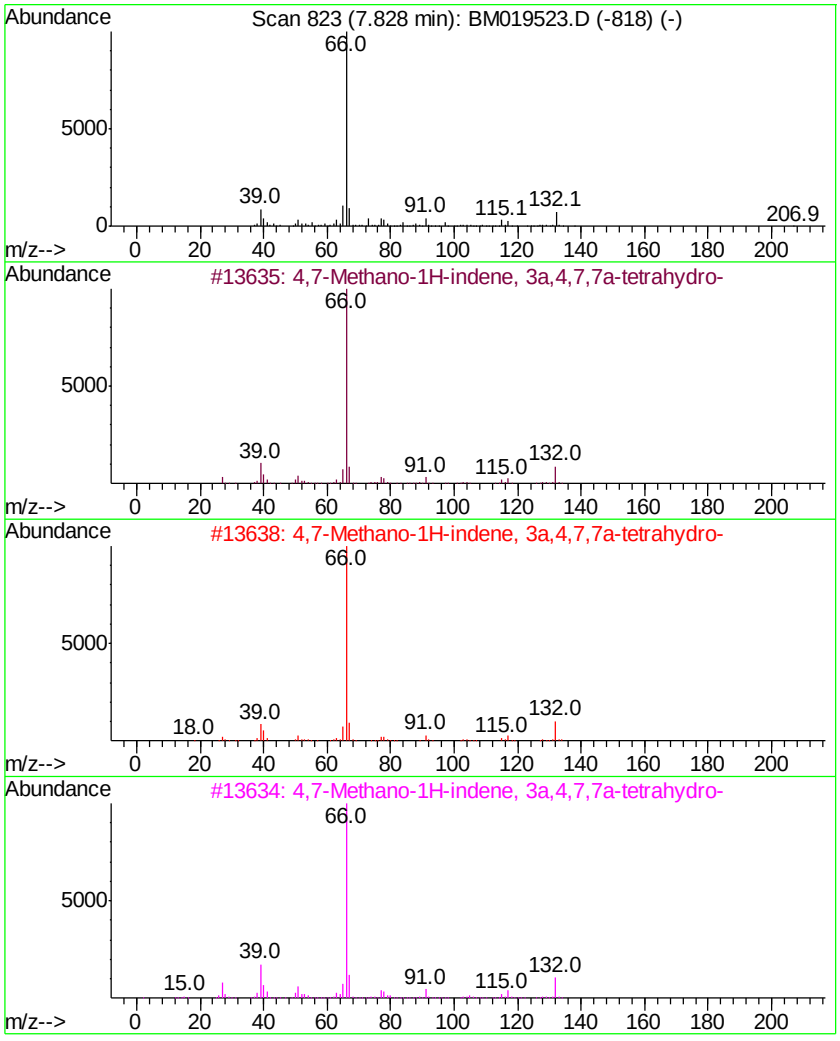
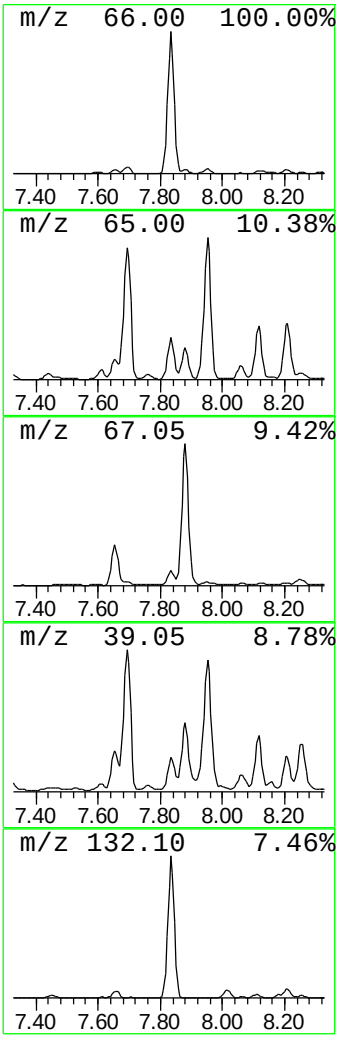
Peak Number 32 4,7-Methano-1H-indene, 3a,4... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	33.40 ng/ul	3205370	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	91
2	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	90
3	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	83
4	The first isomer tricyclopentadiene	198	C15H18	1000222-21-0	83
5	Bicyclo[2.2.1]hept-5-en-2-ol	110	C7H10O	013080-90-5	78





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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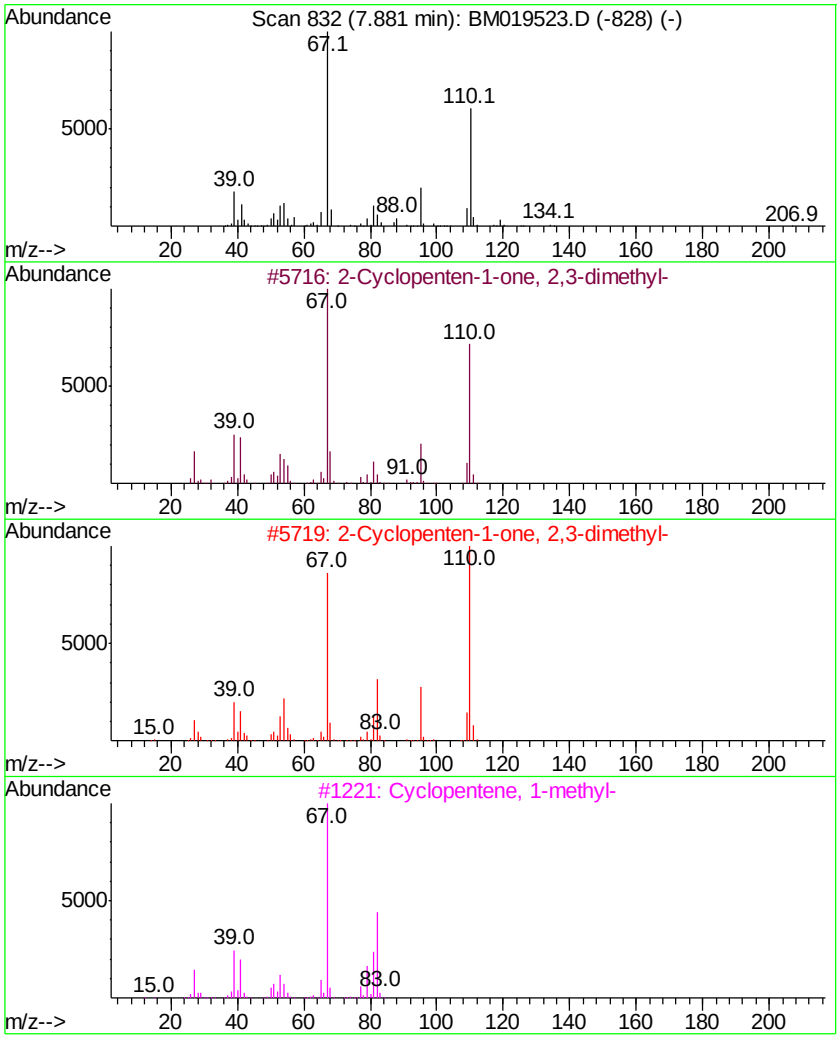
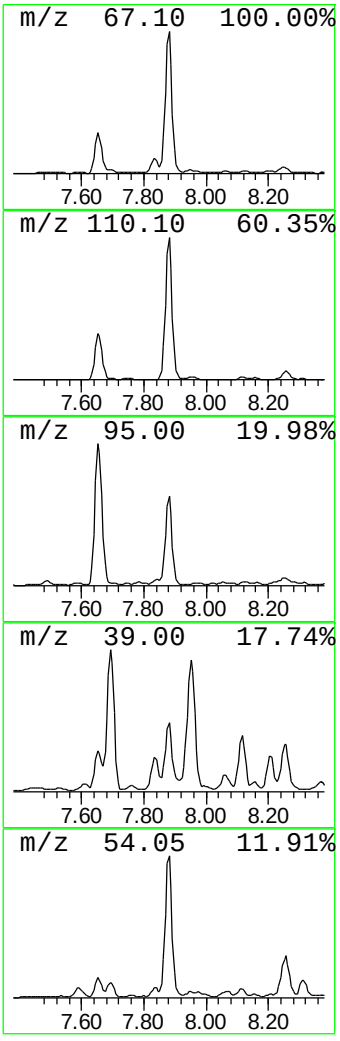
Peak Number 33 2-Cyclopenten-1-one, 2,3-di... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	44.04 ng/ul	4226660	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	91
2	2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	70
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	49
4	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	46
5	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032719\
Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

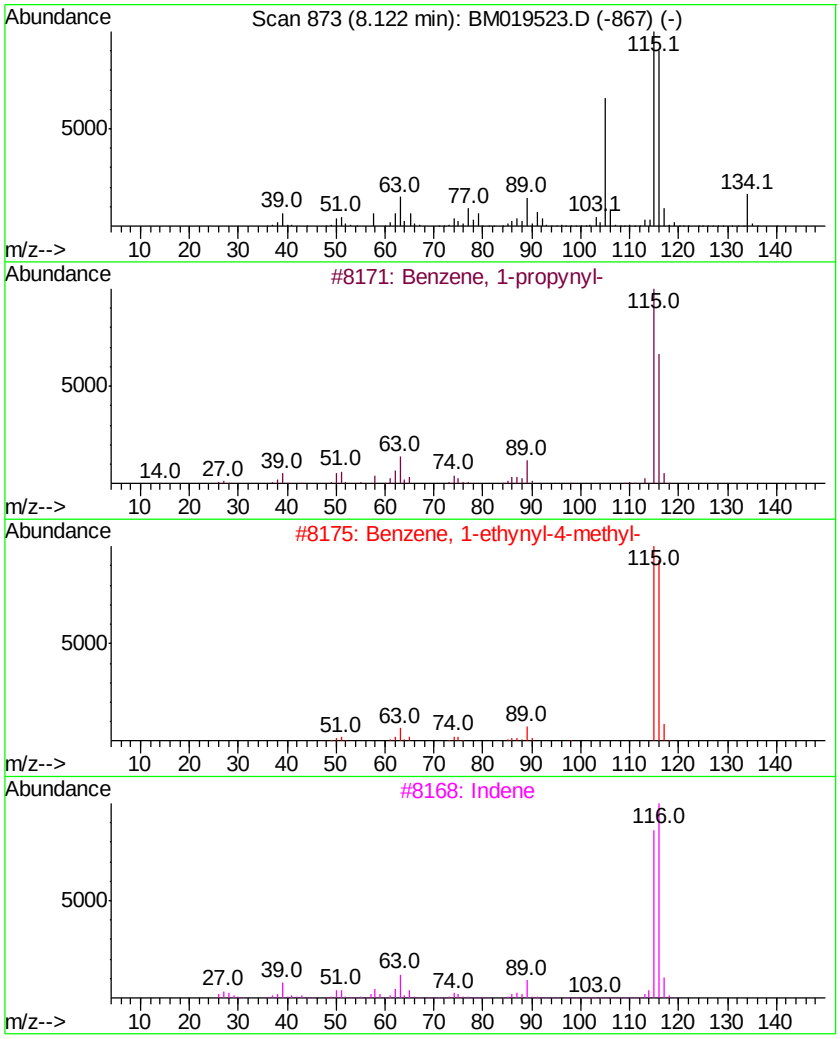
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

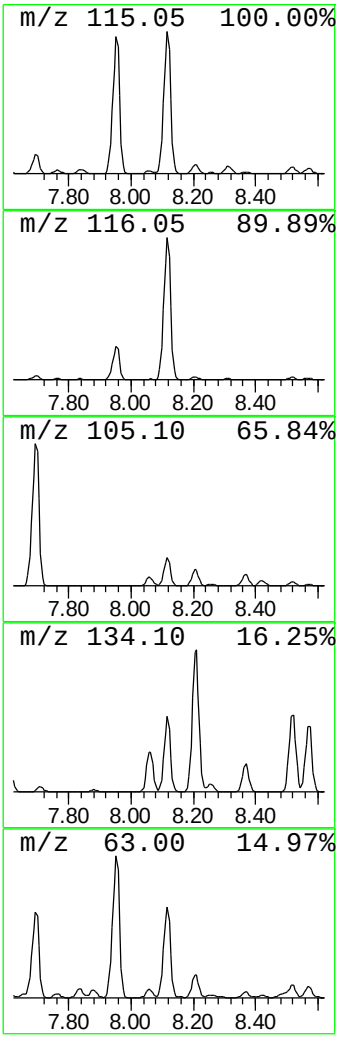
****

Peak Number 35 Benzene, 1-propynyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	105.16 ng/ul	10093400	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
2	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	81
3	Indene	116	C9H8	000095-13-6	81
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	81
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032719\
Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

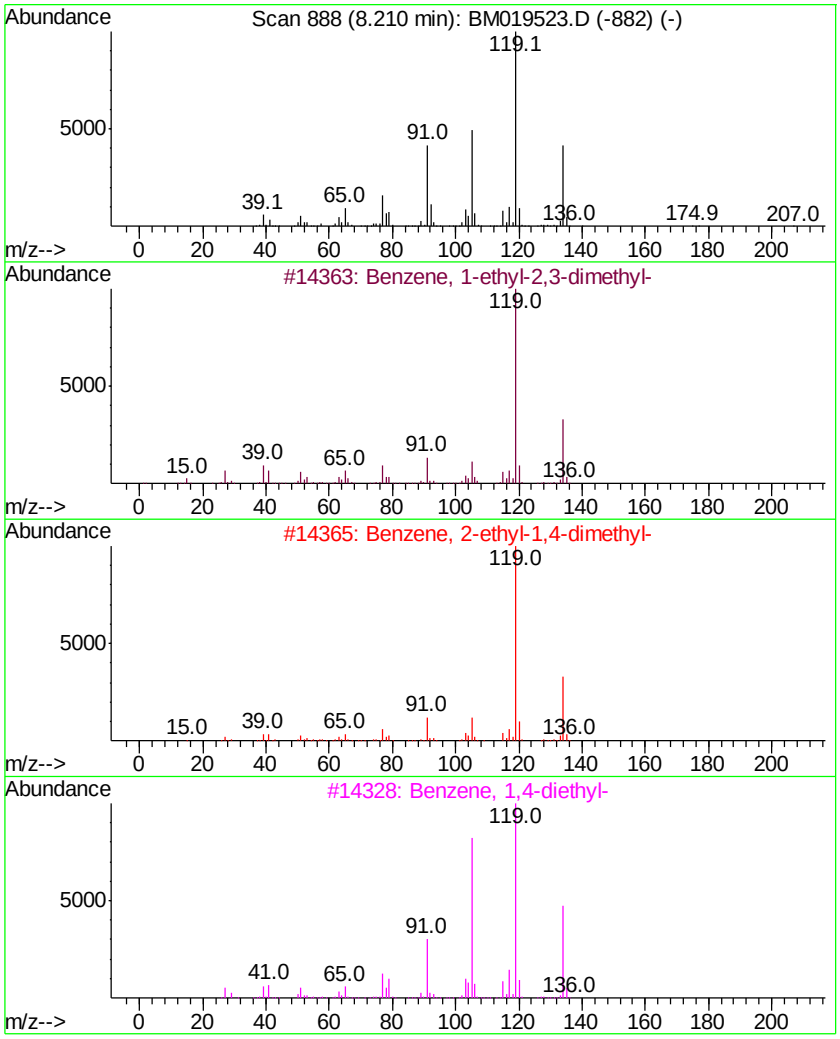
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

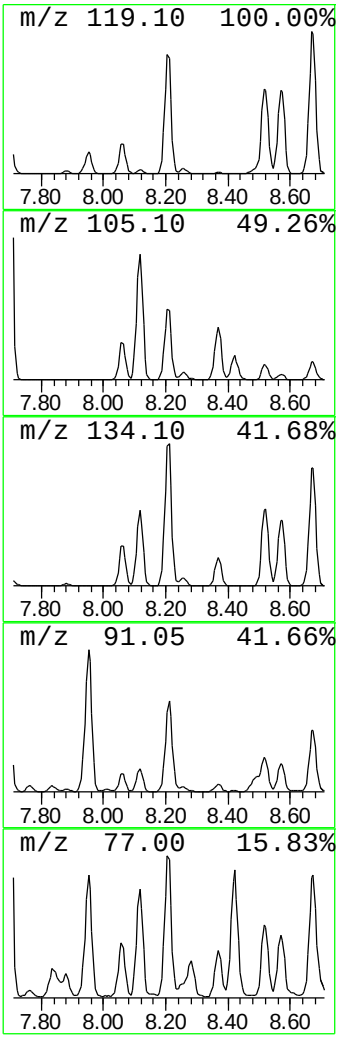
****

Peak Number 36 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	74.93 ng/ul	7192100	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	92
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019523.D
Acq On : 28 Mar 2019 02:17
Operator : JU/SJ
Sample : K2063-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanol, 2-met...	3.38	79.0	ng/ul	7586610	1	7.59	1919580	20.0
3-Pentanol, 3-met...	3.63	73.4	ng/ul	7045690	1	7.59	1919580	20.0
Thiophene, 3-methyl-	3.99	12.6	ng/ul	1205320	1	7.59	1919580	20.0
3-Hexanone, 2-met...	4.08	5.8	ng/ul	557936	1	7.59	1919580	20.0
unknown-01	4.13	101.3	ng/ul	9718310	1	7.59	1919580	20.0
2-Hexanol, 2-methyl-	4.60	43.3	ng/ul	4157800	1	7.59	1919580	20.0
3-Hexanol, 3-methyl-	4.78	58.0	ng/ul	5563060	1	7.59	1919580	20.0
1,3-Dimethylcyclo...	4.83	95.8	ng/ul	9199030	1	7.59	1919580	20.0
Propane, 2-ethoxy...	5.06	10.4	ng/ul	998570	1	7.59	1919580	20.0
Benzene, 1,3-dime...	5.27	1696.9	ng/ul	162865000	1	7.59	1919580	20.0
unknown-02	5.33	5.6	ng/ul	538207	1	7.59	1919580	20.0
unknown-03	5.41	8.9	ng/ul	854522	1	7.59	1919580	20.0
2-Hexanol, 2,5-di...	5.53	12.0	ng/ul	1149140	1	7.59	1919580	20.0
1-Methylcyclohexanol	5.70	35.5	ng/ul	3402000	1	7.59	1919580	20.0
5-Methyltetrahydr...	5.73	38.7	ng/ul	3717870	1	7.59	1919580	20.0
Benzene, (1-methy...	6.08	63.2	ng/ul	6067760	1	7.59	1919580	20.0
3-Heptanol, 3-met...	6.26	23.2	ng/ul	2227600	1	7.59	1919580	20.0
unknown-04	6.43	10.3	ng/ul	991796	1	7.59	1919580	20.0
Benzene, propyl-	6.56	94.2	ng/ul	9038050	1	7.59	1919580	20.0
Benzene, 1-ethyl-...	6.68	443.9	ng/ul	42608800	1	7.59	1919580	20.0
Benzene, 1-ethyl-...	6.73	165.8	ng/ul	15910700	1	7.59	1919580	20.0
Butanal, 3-methyl...	7.07	7.0	ng/ul	676112	1	7.59	1919580	20.0
Benzene, 1-propenyl-	7.32	10.9	ng/ul	1045780	1	7.59	1919580	20.0
4,4-Dimethyl-2-cy...	7.65	14.0	ng/ul	1340980	1	7.59	1919580	20.0
Benzene, 1,2,3-tr...	7.69	234.9	ng/ul	22542600	1	7.59	1919580	20.0
Bicyclo[4.2.0]oct...	7.76	6.6	ng/ul	632858	1	7.59	1919580	20.0
4,7-Methano-1H-in...	7.83	33.4	ng/ul	3205370	1	7.59	1919580	20.0
2-Cyclopenten-1-o...	7.88	44.0	ng/ul	4226660	1	7.59	1919580	20.0
Benzene, 1-propynyl-	8.12	105.2	ng/ul	10093400	1	7.59	1919580	20.0
Benzene, 1-ethyl-...	8.21	74.9	ng/ul	7192100	1	7.59	1919580	20.0